

Nucleic Acids Abstracts

QP
551
N82
N/C

Annual Indexes to Volume 9 1979

Sci

U.I.C.C.
JUN 17 1980
LIBRARY

48-1041

an Information Retrieval publication

Nucleic Acids Abstracts

Annual Indexes to Volume 9 1979

Editor Angela Pritchard
Assistant editor Debbie Field

Author Index pages 1-54
Subject Index pages 55-283

ISSN 0048-1041



Compiled by Information Retrieval Limited

Subscriptions

An annual subscription to Nucleic Acids Abstracts includes twelve monthly issues, each containing an Author and Subject Index, and a separate Annual Author and Subject Index sent without further charge to subscribers after completion of the volume. Subscriptions are entered on a calendar year basis only.

Annual subscription rates 1979

USA, Canada, Central and South America
(including air delivery) US \$235.00

Rest of the world

Surface mail

UK and India £78.00

Elsewhere £85.00

Airmail extra £20.00

Orders from or on behalf of subscribers in the various geographical areas shown below should be routed to the appropriate IRL office or sole agent with payments made in the currencies marked:

Western hemisphere

(Canada, USA, Central and South America —
payment in US dollars)

Information Retrieval Inc.

1911 Jefferson Davis Highway

Arlington Va. 22202 USA

Japan

(payment in yen)

US Asiatic Company Limited

Tsutsumi Building

13-12 Shimbashi 1-chome

Minato-ku Tokyo 105 Japan

日本における予約購読価格は IRL カタログの
ポンド表示とは関係なく、円建となっており、
航空貨物便 (air cargo) 料金を含んでおります
のでご了承下さい。

尚、ご注文は、最寄りの洋書取扱店にお申し込
み下さい。

Rest of the world

(payment in sterling)

Information Retrieval Limited

1 Falconberg Court

London W1V 5FG UK

© 1979 Information Retrieval Limited

All rights reserved by the publisher. No part of
this publication may be reproduced or
transmitted in any form by any means,
electronic or mechanical, including photo-
copying, recording or any information storage
and retrieval system, without permission in
writing from the publisher.

Nucleic Acids Abstracts (ISSN 0048-1041) is
published monthly with an annual index for
US \$235.00 per year by Information Retrieval
Limited, London, England.

Second class postage paid at Jamaica,
NY 11431.

Postmaster: Send address changes to
Nucleic Acids Abstracts, Publications
Expediting Inc., 200 Meacham Avenue, Elmont,
LI, NY 11003.

Airfreight and mailing in the USA by
Publications Expediting Inc., 200 Meacham
Avenue, Elmont, LI, NY 11003.

Printed by

Information Printing Ltd, Oxford, England.

Preface

These indexes are cumulations of the monthly indexes from the 1979 volume of Nucleic Acids Abstracts.

The **Subject Index** is compiled in the following way. For each document the indexer selects indexing terms from fixed lists of keywords which are continually updated. From these selected terms word chains are constructed, the word order being determined by the indexer. It is these word chains which make up the **Subject Index** entries.

The index terms used to create the **Subject Indexes** plus additional terms selected by the indexer to further describe and define the document are also present as a search tool in the IRL database.

The following conventions apply to all terms used in the **Subject Index**:

- (1) All derivatives of purines, pyrimidines, nucleosides and nucleotides are listed under the parent compound e.g. 5-fluorouracil = uracil (5-fluoro).
- (2) Enzyme names follow the 1972 recommendations of the IUPAC and IUB.
- (3) Latin binomials are used for all taxonomic terms except domestic animals, livestock and pets.

IRL publications

Abstracts journals

Animal Behaviour Abstracts

Aquatic Sciences & Fisheries Abstracts:

Part 1 - Biological sciences and living resources

Part 2 - Ocean technology, policy and non-living resources

Biochemistry Abstracts:

Part 1 - Biological Membranes

Part 2 - Nucleic Acids

Part 3 - Amino-acids, Peptides & Proteins

Calcified Tissue Abstracts

Chemoreception Abstracts

Ecology Abstracts

Entomology Abstracts

Genetics Abstracts

Immunology Abstracts

Microbiology Abstracts:

Industrial & applied microbiology

Bacteriology

Algology, mycology & protozoology

Toxicology Abstracts

Virology Abstracts

A list of source periodicals used in the preparation of these abstracting services is available free of charge on request.

Periodicals

Carcinogenesis

Chemical Senses

Nucleic Acids Research

Journal of Plankton Research

Books

Symposium proceedings

Structure-Activity Relationships in

Chemoreception

Preference Behaviour and Chemoreception

Third Symposium on the Chemistry of

Nucleic Acids Components

Fourth Symposium on the Chemistry of

Nucleic Acids Components

Fourth Symposium on Nucleic Acids Chemistry

Fifth Symposium on Nucleic Acids Chemistry

Sixth Symposium on Nucleic Acids Chemistry

Seventh Symposium on Nucleic Acids

Chemistry

Biological Separations in Iodinated Density-

Gradient Media

Centrifugation: A Practical Approach

Gel Electrophoresis: A Practical Approach

Immunologic Aspects of Dental Caries

Microbial Aspects of Dental Caries

Phosphorylated Proteins and Related Enzymes

Olfaction & Taste VI

Olfaction & Taste VII

Methods of Caries Prediction

Sweeteners and Dental Caries

Mechanisms of Localised Bone Loss

Saliva & Dental Caries

Dental Plaque and Surface Interactions in the Oral Cavity

Bibliographies

A Collection of Published tRNA 5S and 5.8S

rRNA Sequences

Obesity 1964-1973

Obesity 1974-1979

Bibliography on Mycoplasma

Time - A Bibliography

Rapid Methods & Automation in

Microbiology & Immunology -

A Bibliography



Tapes

Since January 1978 this journal together with all other abstracts journals published by IRL has been processed by computer using the ASSASSIN system developed by the Imperial Chemical Industries Agricultural Division. Searchable tapes are therefore available of the entire data base accumulated since January 1978 or of subsets consisting of the medical group of IRL abstracting services or of individual journals. Please ask for full details at your nearest IRL office.

Back volumes/microfilm editions

Back volumes are available for all IRL journals more than one year old. It is the policy of IRL however to allow to go out of print (OP) volumes more than five years old. While stocks remain prices for printed back volumes are quoted by the Publisher. All volumes declared OP are maintained on microfilm masters from which duplicates are obtainable.

Author Index

- Aardal, N.P. 4874.
Aarden, L.A. 6458.
Aaronson, S.A. 4326, 6180.
Ab, G. 843, 2416, 5434.
Abakumova, O.Y. 5045.
Abalakina, E.G. 3091.
Abanobi, S.E. 6296.
Abbott, M.T. 1237.
Abbott, P.J. 5815.
Abboud, M.M. 537, 3916.
Abdel-Halim, M.N. 5408, 6010, 6749.
Abdullaev, B.F. 4075.
Abdullah, K.T. 4649.
Abdurashidova, G.G. 1429, 215, 6751.
Abe, S. 1297, 1958.
Abelson, H.T. 4432.
Abelson, J. 868, 2643.
Abmayr, W. 5064.
Abou-Zeid, A.A. 3155.
Abouhaider, M. 1300, 1301, 4563.
Abraham, A.K. 5359, 5431.
Abraham, G. 6834.
Abramov, A.F. 6589.
Abramov, R.E. 6378.
Abramowitz, R. 2407, 4714.
Abrescia, P. 3179.
Abreu, S.L. 2011, 6075.
Achari, A. 98.
Acharya, A.S. 499.
Acherermann, H. 6872.
Acheson, N.H. 860, 2497.
Achey, P.M. 2113, 4908.
Achord, D. 908.
Achtman, M. 1607, 4304.
Acierno, P. 3031.
Ackerman, S. 6817, 7094.
Ackley, S. 6678.
Acquaviva, A.M. 3310.
Acs, G. 1106.
Acton, G.J. 1917.
Adachi, K. 6728.
Adair, G.M. 181.
Adam, G. 4176.
Adamiak, R.W. 67.
Adamkiewicz, J. 3105.
Adams, A. 3732, 6179.
Adams, D.L. 169.
Adams, D.O. 3057.
Adams, D.S. 944.
Adams, G. 1596.
Adams, J.M. 2438.
Adams, J.W. 1666.
Adams, M.L. 7476.
Adams, R.L.P. 3134, 6870.
Adams, S.L. 899, 2745, 5977.
Addison, W.R. 747.
Adhya, S. 1177, 5147, 5598, 5689.
Adikisson, K.P. 3974.
Adler, S. 1945.
Adler, V.V. 5683.
Aebersold, P.M. 1853, 5297.
Afanasenko, G.A. 5127.
Affolter, H.-U. 318, 7427.
Afrikan, E.G. 4929.
Agabalian, A.S. 4929.
Agarwal, K.L. 4793, 5801, 6764.
Agarwal, S.S. 3915.
Aglano, A.M. 5396.
Agiullina, D.G. 3044.
Agnisola, C. 6444.
Agoi, V.I. 3046, 3537, 3907, 4092, 4951, 6778.
Agosin, M. 311.
Agranoff, B.W. 1520.
Agranovsky, A.A. 2481, 5383.
Agris, P.F. 5828, 4686, 5826.
Agroskin, L.S. 1253.
Agutter, P.S. 5281.
Ahmad, N.S. 2783.
Ahmad, S.I. 5289.
Ahmed, F.E. 3822, 6311, 7167.
Aho, S. 4475.
Aiba, H. 5145.
Aiba, S. 5491.
Aida, M. 3266.
Aiello, L. 4867.
Aigle, M. 6350.
Aikawa, S. 5419.
Air, G.M. 2604, 2605, 7052.
Aitkhozhina, N.A. 3531.
Aivazashvili, V.A. 978.
Aizatulina, T.A. 7295.
Aizawa, K. 4336.
Aizenberg, O.A. 3177, 3812.
Ajiro, K. 2246, 5664.
Ajt Khozhin, M.A. 3491.
Akasaka, K. 2052, 2064.
Akasaka, T.L. 5291.
Akerman, M. 7397.
Akesson, B. 5832, 5833.
Akhmatov, R.R. 3844.
Akhrem, A.A. 364, 6589.
Akhverdyan, V.Z. 3463.
Akiba, N. 3566.
Akimenko, N.M. 4884.
Akiyama, S. 1810, 2309.
Akiyama, T. 6098.
Akiyama, Y. 5607.
Akiyoshi, H. 2737.
Akopian, S.M. 4929.
Akopiantz, P. 1051.
Akopyan, Zh.I. 6378.
Aksenova, N.N. 6899.
Akusjarvi, G. 2618, 3723, 4775.
Akutsu, H. 673.
Al-Obeidi, F.A. 6559.
Al-Zahid, S.A. 645.
Alabouvette, J. 324.
Alakhov, Yu.B. 1452.
Alapina, A.V. 1580.
Albanese, E.A. 6885.
Albani, M. 4680.
Albano, O. 6281.
Alberghina, L. 6027.
Albers, A.A. 4705.
Albersmeyer, K. 2371.
Albert, A. 2245.
Albert, M.J. 7183.
Albert, R.E. 6975.
Alberti, A. 7361.
Albertini, L. 299.
Albertini, A.M. 4213.
Alberts, B.M. 7467, 532, 554, 7468.
Alblas, F. 2007.
Albritton, W.L. 4866.
Alden, C.J. 6134.
Alderfer, J.L. 741.
Alders, M.A. 4165.
Alechina, R.P. 1056, 2479.
Alekhrova, Z.S. 2827.
Alekhina, R.P. 1243, 2996, 3525.
Aleksandrova, S.S. 566.
Aleksandrushkina, N.I. 1609.
Alesenko, A.V. 1672.
Aletti, M.G. 2399.
Alexander, A. 939.
Alexander, H.B. 4485.
Alexandrova, S.S. 3277, 5136.
Alexandrushkina, N.I. 6146, 1603.
Alexeeva, I.N. 449.
Alford, B.L. 182, 6681, 6753.
Alford, C.A. 3360.
Alford, T. 6756.
Algranati, I.D. 5902.
Alix, J.-H. 3495.
Allan, B.J. 2771.
Allan, J. 6505.
Allandeen, H.S. 656.
Allaudeen, H.S. 2798.
Allebach, E.S. 5582.
Allen, R. 3481.
Allen, G.P. 1742, 3923, 5583.
Allen, H.J. 4156.
Allen, J.C. 5723.
Allen, J.R. 5211, 6986.
Allen, J.W. 419.
Allen, L.B. 1353, 1371, 2306, 3365.
Allen, R.N. 5365.
Allen, S.H. 807, 1425, 2466, 4109, 5876.
Allenstein, E. 678.
Allet, B. 2611, 3095, 3103, 7441.
Allfrey, V.G. 600, 1259, 3762, 4349.
Alliet, J. 1.
Allison, D.P. 4945.
Allison, W.S. 1214.
Almendinger, R.J. 885.
Almog, R. 2434.
Almond, J.W. 3538, 6783.
Aloni, Y. 858, 2975, 3582, 4172, 4193, 5954.
Alonso, A. 2833, 6039, 6067.
Alonso, C. 5477.
Alov, I.A. 295.
Alpers, D.H. 1087.
Alpren, T.V.P. 2337.
Alscher, R. 1446.
Alt, F.W. 4252.
Altamirano-Dimas, M. 5562.
Alter, B.P. 3470.
Altman, A. 1153.
Altman, S. 3997, 5247, 7321.
Altman, H. 4405.
Alton, N.K. 5603, 6850.
Altona, C. 3427.
Altuda, F. 205, 2420, 3443, 5322.
Alvino, C. 2655.
Alwine, J.C. 5977.
Alyokhina, R.P. 2443.
Alzhanova, A.T. 3985, 3986.
Alzner Dewerd, B. 3449.
Amaki, I. 6438.
Amaldi, F. 1618.
Amalric, F. 294.
Amancio, S. 1066.
Amann, E. 426.
Amano, M. 6604.
Amarasiri, W.A. 2309.
Amarnath, V. 3429, 6642.
Ambartsyanyan, N.S. 4070.
Ambros, V. 649, 2817.
Amenduni, F. 4495.
Amerkhanova, M.B. 1122.
Ames, B.N. 5836.
Amesz, H. 4751.
Amici, D. 6095.
Amicucci, G. 4623.
Amini, S. 6473.
Ammann, A.J. 2809.
Ammerer, G. 5433.
Ammirati, J.F. 3254.
Amons, R. 4111.
Amos, J. 6982.
Amthauer, R. 5898.
An, G. 6362.
Anand, S.R. 4228.
Ananiev, V.A. 2739.
Ananthakrishnan, R. 6504.
Anandhakrishna, A. 3570, 4200.
Andersen, K.-J. 949.
Andersen, K.B. 216, 5841.
Andersen, O. 3614, 4555.
Andersen, R.D. 2475.
Anderson, C.F. 12.
Anderson, D.M. 1599, 4812.
Anderson, J. 4711.
Anderson, J.N. 1279, 1774.
Anderson, K.M. 1420.
Anderson, K.P. 5376, 6781.
Anderson, K.V. 6032.
Anderson, L.M. 4037.
Anderson, M.L.M. 1347.
Anderson, O.D. 5995.
Anderson, R.R. 2304.
Anderson, S. 538.
Anderson, T. 1571, 6959, 6985.
Anderson, T.J. 1093.
Andersson-Anvret, M. 716, 1128, 2277.
Andersson, B. 7232, 7233.
Andersson, G.M. 4484.
Andersson, H.C. 3327.
Andersson, I. 7232.
Andersson, P. 3210.
Ando, K. 1664.
Ando, T. 2040, 3235, 4483, 5122, 6946, 7327, 7460.
Andoh, T. 2734, 2845, 4529.
Andrae, U. 6309.
Andre, C.M. 646.
Andre, J. 5354.
Andreassen, R. 1063, 2683, 4378.
Andreassi, L. 2713.
Andreeva, I.N. 3044.
Andrejeva, L.F. 6860.
Andrejeva, T.F. 6860.
Andreoni, A. 4273.
Andres, I. 2603, 3707.
Andrew, M.H.E. 6290.
Andrianov, V.M. 1122.
Andries, J.C. 5024.

- Andries, M. 3381.
 Andronico, F. 3980.
 Andronnikova, M.L. 2606.
 Andzhaparidze, O.G. 5442, 1384, 2761.
 Angarita, A. 7121.
 Angelino, N. 3574.
 Angelov, G. 5661.
 Angerer, L.M. 6132.
 Anghileri, L.J. 2730.
 Anilionis, A. 4595.
 Anke, T. 3017.
 Anker, P. 589, 7289.
 Ankilova, V.N. 1410.
 Anne, L. 5417.
 Annerfeldt, J. 2341.
 Annison, G. 3783, 6247.
 Anselmi, U. 1709.
 Ansevin, A.T. 240, 1467.
 Anshelevich, V.V. 6138, 3697.
 Antkowiak, J. 141.
 Anton Lamprecht, J. 6882.
 Antonello, C. 4888.
 Antoni, F. 472.
 Antoniadis, D. 610.
 Antoniadis, H.N. 4432.
 Antonillo, S. 6686.
 Antonov, A.S. 3131, 5535.
 Antonov, I.V. 1158, 3885.
 Antonov, P. 407.
 Antonova, T.P. 898, 6827.
 Antony, A. 5640.
 Antoshechkin, A.G. 3821.
 Antoshkina, N.V. 3930, 5072.
 Anzai, K. 2845.
 Aoki, F.Y. 222.
 Aoki, K. 1394.
 Aoki, S. 7147.
 Aotsuka, S. 7409.
 Aoyagi, S. 4615.
 Aphanasenko, G.A. 4473, 7306.
 Apirion, D. 503, 1483, 2179, 3023, 3025, 4145, 4214, 6209.
 Apirion, S. 6797.
 Aposhian, H.V. 2757, 7473.
 Apparao, B.J. 6476.
 Appel, K.E. 6970.
 Appel, M.J. 5813.
 Appelbaum, E.R. 6849.
 Appels, R. 3960.
 Appelt, K. 6711.
 Appleby, D. 5396.
 Aradi, J. 2165.
 Arai, K. 5913, 5914, 5915.
 Arai, N. 5913, 5914, 5915.
 Arai, T. 1844, 6946.
 Arakawa, K. 59.
 Arakawa, Y. 5734.
 Arata, Y. 3227.
 Araya, A. 5834, 6421, 7381.
 Arber, V. 5684, 7037.
 Arbusov, V.A. 4158.
 Arcari, P. 1402.
 Arceci, R.J. 935.
 Arch, J.R.S. 564.
 Archard, L.C. 3108.
 Archibold, E.R. 1270.
 Arefieva, A.M. 3652.
 Arena, F. 2940.
 Arendes, J. 2803, 4041, 4042, 4591, 5541, 6607, 7113.
 Arens, M. 508, 6532.
 Ares, M., Jr. 1433.
 Arfin, S.M. 5329.
 Arfmann, H.-A. 5471.
 Arfsten, A.E. 2078, 2079.
 Argyris, T.S. 211.
 Ariga, H. 6270.
 Arkhipov, M.V. 1661, 7172.
 Arlett, C.F. 438.
 Arlinghaus, R.B. 240, 1467, 4240.
 Armbruster, A. M. 4290.
 Armel, P.R. 1163.
 Armendares, S. 5688.
 Armentrout, R.W. 4455, 423.
 Armitage, I.M. 197, 2230, 4294, 4664.
 Armstrong, D.J. 105, 5326.
 Arnheim, N. 3785.
 Arnold, A. 3159.
 Arnold, H.-H. 2978.
 Arnott, S. 1181, 6134.
 Aronson, A.I. 261.
 Aronson, A.L. 1101.
 Arpin, M. 4721.
 Arquembourg, P.C. 1752.
 Arrand, J.E. 2622.
 Arrand, J.R. 6170.
 Arranz, C.T. 2021.
 Arrighi, F. 3975.
 Arsenis, C. 7389.
 Arshady, R. 6629.
 Arshinova, T.V. 621.
 Artavanis-Tsakonas, S. 482, 6227, 6228.
 Arthur, C.G. 6800.
 Arthur, L.O. 2268.
 Artz, S.W. 4655.
 Arus, C. 1707.
 Arutunjan, A.V. 6409.
 Arvidson, C. 3301.
 Arya, S.K. 5642.
 Arzone, A. 5059.
 Asada, S. 4971.
 Asakura, H. 3152.
 Asamura, M. 356.
 Asao, T. 2315, 2906, 6568.
 Asato, Y. 2108.
 Asatryan, R.A. 2586.
 Asher, Y. 384, 1595, 2625, 3806.
 Asherson, G.L. 5164.
 Ashman, C.R. 1884.
 Ashworth, L.K. 6519.
 Asirwatham, J.E. 5652.
 Asisov, Ju.M. 5149.
 Aslanov, Ch.A. 215.
 Aslanov, K.A. 6751.
 Asmus, A. 2163, 4460.
 Aso, Y. 6898.
 Asselbergs, F.A.M. 831, 1534, 2395, 2536, 2948, 5435.
 Assmann, D. 1914, 4729.
 Astapovich, N.I. 7194.
 Astell, C.R. 6090, 4983, 7053.
 Astier-Manificier, S. 3906.
 Astier, T. 2626.
 Astruc, M. 5066.
 Atabekov, J.G. 2481, 5383, 6932.
 Atchison, B.A. 1041, 1962.
 Atherly, A.G. 3508.
 Atherton, E. 6629.
 Atherton, K.T. 1869.
 Atkins, J.F. 4771.
 Atkinson, A. 4676.
 Atkinson, K.D. 1970.
 Atkinson, T. 1716.
 Atlas, S.A. 3671.
 Atmar, V.J. 2846, 7427.
 Atrycz, V. 4222, 4708.
 Attardi, G. 3182, 3788.
 Atwell, R. 6735.
 Atwood, K.C. 6508.
 Aubel-Sadron, G. 965, 1183, 1574, 6397, 6500.
 Aubertin, A.M. 6599.
 Auclair, C. 6995.
 Auer, H.E. 120, 1830.
 Auerswald, E.A. 3102.
 Auffray, Y. 4414.
 Augenicht, L.H. 5656, 7417.
 Auger-Buendia, M.-A. 6465, 2422, 6736, 6737.
 Auger, S. 6811.
 Augustine, E.C. 273.
 Augustyniak, H. 759.
 Augustyniak, J. 1399, 4684.
 Aujame, L. 3452.
 Aujean, O. 3882.
 Auld, D.S. 4086.
 Auletta, M. 6686.
 Aurelian, L. 5091.
 Aurich, O. 6894.
 Auron, P.E. 1900.
 Austin, G.E. 5203, 6841, 6842.
 Austin, L. 765.
 Ausubel, F.M. 4576, 6210, 7068.
 Autenrieth, D. 1849.
 Autilio-Gambetti, L. 305.
 Autrup, H. 2576, 5456.
 Avadhani, N.G. 6877.
 Avakov, A.E. 3695, 6205.
 Avakyan, V.A. 5774.
 Avanesov, A.T. 3985, 3986.
 Avers, C.J. 4570.
 Avery, R.J. 1927, 6084.
 Avila, A. 6968.
 Avila, J.L. 6968.
 Aviles, F.J. 1251, 2237, 2245.
 Avital, S. 2407.
 Aviv, H. 5449.
 Avni, H. 4441.
 Avvedimento, V.E. 2745, 3310.
 Axberg, T. 5832, 5833.
 Axel, R. 5116, 5667.
 Axelrod, V.D. 978.
 Axelsson, B. 4153.
 Ayisi, K. 1549.
 Azad, A.A. 1496, 2441, 3971, 4157.
 Azatyan, R.A. 5774.
 Azbel, M.Y. 3691.
 Azcurra, J.M. 2473.
 Azhar, S. 1511.
 Azhayev, A.V. 5895, 4029, 4032, 5798.
 Azizkhan, J.C. 6315.
 Azizov, Yu.M. 1675, 6888.
 Azuma, I. 2724.
 Baas, P.D. 1635, 3098.
 Baase, W.A. 3689, 6198.
 Babich, A. 4859.
 Babykin, M.M. 6991.
 Baccichetti, F. 4888, 4911.
 Bach, M.-L. 2999.
 Bacheler, L.T. 6186.
 Bachelier, J.C. 4144.
 Bachelier, J.-P. 5193, 294.
 Bachi, B. 4482.
 Eachmann, K. 2020.
 Bachrach, H.L. 6779.
 Back, W. 393.
 Backhaus, H. 5539, 5543.
 Backman, K.C. 5677.
 Bacsko, K. 1127.
 Badaracco, G. 1637.
 Bade, E.G. 4440.
 Bader, J.P. 2334.
 Bader, A.E. 5671, 6516.
 Baer, A. 1734.
 Baess, I. 1030, 3115.
 Baez, J.A. 2819.
 Bag, J. 5659.
 Bagchi, B. 3071.
 Baggett, B. 3249.
 Bagiy, G.A. 4403.
 Baglioni, C. 310, 1760, 2013, 2964, 4068, 4232, 5631, 6419, 6901.
 Bagni, N. 2403.
 Bagshaw, J.C. 7355.
 Baguley, B.C. 1579.
 Bagwell, C.B. 5181.
 Bahl, C.P. 1335.
 Bahna, L. 6691.
 Bailey, J.M. 3532, 4886.
 Bailey, L. 560.
 Bailey, S.C. 6209.
 Bailey, W. 3831.
 Baiocchi, R. 2713.
 Baird, W.M. 2053, 2574.
 Bajsar, D. 2997.
 Bajszar, G. 3294.
 Bakacs, T. 2102.
 Bakayev, V.V. 2244, 3970, 6483, 639, 1333, 1786, 3322, 3955.
 Bakayeva, T.G. 3970, 1333, 3322, 3955.
 Baker, D.C. 3380.
 Baker, P.N. 6389.
 Baker, R.F. 2086.
 Bakhtmedova, A.A. 2330.
 Bakhtadze, G.I. 3141.
 Bakhtvalov, O.V. 3650.
 Bakken, A. 4810.
 Bakker-Steenveld, H. 5908.
 Bakker, H. 409, 4981, 5528.
 Baksi, K. 1715.
 Bakun, A.V. 2785.
 Balaban, N.P. 3884, 5127.
 Balabanova, R.M. 3836.
 Balandin, I.G. 2496.
 Balasubramanian, R. 5827.
 Balaszcuk, A.M. 2021.
 Balazs, E. 3367.
 Balazs, I. 3561.
 Balboni, P.G. 7111.
 Balcarova, Z. 4889, 5455.
 Bald, R. 3753.

- Balda, B.-R. 840.
 Baldacci, G. 4074.
 Baldacci, P. 2665, 6233.
 Baldari, C.T. 1618.
 Baldi, M.I. 1306.
 Baldwin, J.N. 2017.
 Baldwin, R.L. 1155, 3226.
 Baliga, B.S. 4536.
 Balikcioglu, S. 5162.
 Ball, A. 577.
 Ball, L.A. 933, 4230, 4672.
 Ball, W.D. 1150.
 Ballal, N.R. 2521.
 Ballesta, J.P.G. 3484, 5879.
 Ballieux, R.E. 5067.
 Ballini, J.P. 5853.
 Ballou, S.P. 7405, 7408.
 Balmain, A. 5074.
 Balmukhanov, S.B. 4433.
 Baltimore, D. 649, 857, 1201, 2817, 2818, 2878, 3349, 3520, 4953, 7359.
 Baltus, E. 5570.
 Baluch, J. 2267.
 Baluda, M.A. 2758.
 Bamba, R.A. 2206.
 Ban, D.D. 7387.
 Ban, J. 3594.
 Bancroft, F.C. 2011, 5527, 5931, 6075.
 Bancroft, J.B. 1300, 1301, 4563.
 Bandrin, S.V. 2159, 6346.
 Bandyopadhyay, A.K. 1189, 2808.
 Bandyopadhyay, P.K. 2269.
 Banerjee, A.K. 23, 867, 1943, 1945, 4195.
 Banerjee, M.R. 1514, 3172, 4875, 4901.
 Banerjee, S. 5731.
 Banerji, P.K. 980.
 Bank, A. 889, 1627, 4795.
 Bankier, A.T. 1770.
 Banks, G.R. 4560.
 Bannai, Y. 4614.
 Bannikov, Yu.A. 5496.
 Bannikova, V.P. 620.
 Bansal, K.M. 1813.
 Baptist, J.N. 3109.
 Bar-Joseph, M. 830, 2486.
 Bar, H. 1568, 3089, 4946, 7039.
 Barada, F.A. 1682.
 Baraj, V.N. 364.
 Baralle, F.E. 1955.
 Barascut, J.-L. 698.
 Baratova, L.A. 7014.
 Barbanti-Brodano, G. 7111.
 Barbehenn, E.K. 550.
 Barbera, E. 5477.
 Barbet, J. 1573, 6117.
 Barbier, M. 5838.
 Barbosa, E. 1017, 1988, 1989.
 Barbour, S.D. 5034.
 Barciszewska, M. 2392, 5831.
 Barciszewski, J. 2392, 5831.
 Barclay, M.C. 3585.
 Bard, J.B.L. 4995.
 Barden Stahl, Y.D. 2907.
 Bardin, C.W. 1184.
 Bardos, T.J. 2197.
 Barenfeld, L.S. 6383.
 Baret, J.F. 150.
 Barfknecht, T.R. 7372.
 Barg, R.W. 2319.
 Barker, H. 5968, 6535.
 Barker, J.E. 916.
 Barker, L.J. 3680.
 Barker, M. 4276.
 Barker, P.E. 4263.
 Barkova, E.P. 1384.
 Barland, P. 4528.
 Barlogie, B. 2015.
 Barlow, P.W. 2864.
 Barmina, L.V. 7395.
 Barnes, A. 3618.
 Barnes, M.H. 5153.
 Barnes, S.R. 948.
 Barnes, W.M. 1032, 5482, 7276.
 Barnett, E.V. 3799.
 Barnett, T. 4990.
 Barnett, W.D. 6677.
 Barnett, W.E. 1307, 7079.
 Baron, E. 4306.
 Baron, M.H. 7359.
 Barr, P.J. 102, 703, 1834, 6600.
 Barr, S.M. 2757, 7473.
 Barra, R. 466, 6317.
 Barrell, B.G. 2604, 2610.
 Barrett, J.C. 960, 7162.
 Barrett, K.J. 2504.
 Barrett, T. 6783.
 Barrieux, A. 1924.
 Barrio, J.R. 117, 126, 6618.
 Barritault, D. 939.
 Barron, K.D. 1743.
 Barrow, W. 4731.
 Barry, R.D. 3538.
 Barsacchi-Pilone, G. 3980.
 Barski, A. 4616.
 Barsukov, A.A. 4845.
 Bartel, H. 1242.
 Bartels, D. 4841.
 Bartenev, V.N. 1602, 6953.
 Barth, C.A. 2014.
 Barth, P.T. 1060, 4445.
 Barthelemy-Clavey, V. 1183.
 Barthelmes, H. 2824.
 Barthelmeys, J. 5129.
 Bartholomew, D.G. 2306.
 Bartholomew, J. 3066.
 Bartke, M. 3383.
 Bartlett, R.J. 2974.
 Bartnik, E. 5109.
 Bartolf, M. 6049.
 Barton, C.R. 4307.
 Barton, J.K. 2565, 5809.
 Bartos, F. 429, 2133.
 Baru, V.A. 3634.
 Barwolf, D. 87.
 Baseman, J.B. 3913.
 Baserga, R. 446, 6887.
 Bases, R. 7173.
 Bashar Kahaleh, M. 5187.
 Bashkis, E.V. 3884.
 Bashkite, E.A. 1073.
 Basile, R. 3326.
 Basilio, C. 1760, 2260, 7118.
 Baskin, F. 6809.
 Basnaky, A.G. 5120, 5121, 6040.
 Basosi, R. 6621.
 Bass, A.I. 6646.
 Bass, B. 1420.
 Bass, I.A. 6836.
 Bassel, B.A. 4773.
 Bassendine, M.F. 1732.
 Bassler, R. 1683.
 Bassuner, R. 6894.
 Bast, R.E. 6722.
 Bastia, D. 985.
 Bastian, C. 915.
 Bastin, R. 3193.
 Bastos, R.N. 5449.
 Basu, M. 5028.
 Basu, S. 3071, 5636.
 Basu, T.K. 2143.
 Bates, J.H. 6947.
 Bates, P.C. 1892.
 Bates, R.C. 2202, 6004.
 Bathurst, I.C. 6763.
 Batstone, G.F. 495.
 Batt-Humphries, S. 6006, 6007.
 Battersby, S.J. 3710, 7030, 7032.
 Baturina, I.D. 5333.
 Baudendistel, L.J. 39.
 Baudy, P. 619, 4558.
 Bauer, E. 3084, 4884.
 Bauer, G. 1205, 2804, 3921, 5161.
 Bauer, P.I. 3413.
 Bauer, S. 3180.
 Bauer, W.R. 2613, 5472.
 Baugh, C.M. 7398.
 Bagnat-Mahieu, L. 2626.
 Baulcombe, D. 2169, 6811.
 Baulieu, E.-E. 1777.
 Bauman, V.R. 1506, 1507, 4188.
 Baumert, H.G. 1430.
 Baumgartner, I. 7412.
 Baumgartner, J.E. 7079.
 Baurain, R. 7222, 7227.
 Bavykin, S.G. 599, 4548.
 Baxt, B. 6779.
 Baxt, W.G. 1140.
 Baxter, A. 548.
 Baxter, C.S. 2840.
 Baxter, J.D. 277, 5523, 7445.
 Baxter, L.A. 5862.
 Baxter, R.M. 3502.
 Bayev, A.A. 327, 1145, 1585, 1614, 2654, 3457, 3927, 5167, 5591, 5980, 6448.
 Bayne, M.L. 3661, 3793.
 Rayraman, T.L. 3405, 7446.
 Bazelyan, V.L. 7295.
 Bazzicalupo, P. 6422.
 Beabealashvili, R.Sh. 978, 6407.
 Beach, T.A. 2270, 5682, 5947, 6646.
 Beachy, R.N. 202.
 Bean, W.J., Jr. 5261.
 Bear, D.G. 5387.
 Bear, J.L. 2836.
 Beard, C. 4559.
 Beard, D. 3920.
 Beard, J.W. 3920.
 Beard, P. 2259.
 Beare, A.S. 1938.
 Beato, M. 6910.
 Beaton, A.R. 3140.
 Beauchamp, S.L. 4613, 1339, 2313, 2361, 4020.
 Beauchamp, R.S. 3120, 3782.
 Beaudet, A.L. 795.
 Beaudreau, G.S. 6189.
 Baudry, P. 3270, 4742.
 Beaufay, H. 212.
 Beaumont, G. 3193.
 Beaumont, P.C. 5723.
 Beaupain, R. 1658, 7153.
 Beburow, M.Yu. 2159, 3091, 3213.
 Becak, M.L. 5218.
 Beccari, E. 1045.
 Bechet, J.-M. 1937, 5499.
 Bechet, M. 2559.
 Beck, C.F. 5593.
 Beck, E. 3102, 3757, 5490.
 Beck, G. 2543, 2544.
 Beck, J.-P. 2543.
 Becker, A. 486, 2291, 3711.
 Becker, E.D. 2347.
 Becker, F.F. 6255.
 Becker, J. 6324.
 Becker, J.-L. 6324.
 Becker, M. 359, 2597.
 Becker, M.M. 1576.
 Becker, Y. 384, 1595, 2625, 3806, 4329.
 Bedard, D. 3015.
 Bedbrook, J.R. 417, 3140.
 Beddoes, M.J. 6288.
 Bednarska, M. 986, 4380.
 Beebe, T.J.C. 2689, 4187.
 Beemon, K. 1532.
 Beer, M. 135, 1366, 2362.
 Beerman, T.A. 2043, 3079.
 Bees, W.C.H. 6402.
 Begard, E. 4742.
 Beggs, J.D. 3216.
 Behkl, R.M. 7191.
 Behlke, J. 1902.
 Behnke, D. 7023.
 Behrens, B. 4945, 4957.
 Behrman, E.J. 6628, 6659.
 Beiderman, B. 1678.
 Bekhor, I. 3963, 4541, 5417, 5986, 7421.
 Bektimirov, T.A. 1384.
 Belagaje, R. 5792, 5793, 5816, 5817.
 Beland, F.A. 3063.
 Belanger, G. 4719, 6719.
 Belanger, L. 5938.
 Belarbi, A. 2543, 2544.
 Belayew, A. 6921.
 Beldour, L. 6217, 6218.
 Belyayeva, M.I. 3223.
 Belin, D. 3534, 4741.
 Belintsev, B.N. 3699.
 Belitsina, N.V. 5351.
 Belizhenko, V.D. 6320.
 Beljanski, M. 589, 4862, 7403.
 Bell, D.A. 2224, 2226.
 Bell, G.I. 3255.
 Bell, L. 7074.
 Bell, R.A. 1382, 1383, 2447, 6773.
 Bell, S.E. 4644.
 Bellemare, G. 249, 4719, 5993, 6719.

- Bellett, A.J.D. 5243.
 Bellis, E. 6444.
 Bello, L.J. 849.
 Belogurov, A.A. 3811.
 Belokhovostov, A.S. 2674, 3654, 5195.
 Belostotskaya, G.B. 1661, 3823, 7172.
 Belous, A.M. 522.
 Belov, A.D. 5149.
 Belova, N.V. 6847.
 Belozerskaya, N.A. 3117.
 Beltchev, B. 5661.
 Beluaev, N.D. 4199.
 Belyaev, A.I. 6052.
 Belyakova, N.V. 4403.
 Belyavsky, A.V. 4548, 599.
 Ben-Hur, E. 6289.
 Ben-Horat, T. 4335, 6193, 7056.
 Ben-Ze'ev, A. 267, 3050.
 Benard, J. 4978.
 Benbadis, M.-C. 5288.
 Benbow, R.M. 543.
 Benchimol, S. 3711.
 Bencze, J.L. 5670.
 Bender, M.A. 2121, 2262.
 Bender, W. 1613, 2070.
 Benderson, J. 3065.
 Bendiak, D. 7273.
 Bendich, A. 1735, 3288.
 Bendig, M.M. 1599.
 Bendixen, G. 2225.
 Benecke, B.-J. 4797, 267, 3050.
 Benedetti, C. 410.
 Benesh, D.T. 3801, 7107.
 Bengtson, A. 458, 1674, 5767.
 Benham, C.J. 979, 4922, 7017.
 Benicourt, C. 6913.
 Benigni, R. 395.
 Benimetskaya, L.Z. 361, 970, 5492.
 Benjamin, R.S. 3400.
 Benjamin, T.L. 4334.
 Benne, R. 220, 1453, 4751.
 Bennett, G.B. 32.
 Bennett, G.N. 7269.
 Bennett, L.L., Jr. 1351.
 Bennett, P.M. 3857.
 Benoff, S. 4155, 5438.
 Benoist, C. 1050, 3773.
 Benson, R.W. 517, 3252.
 Bentzon, M.W. 1030.
 Benveniste, R.E. 2753.
 Benvenuto, J.A. 3400.
 Benvin, S. 4068, 6419.
 Benz, E.J., Jr. 226, 916, 7288.
 Benz, E.W., Jr. 7115.
 Benzie, C.R. 1926.
 Benzinger, R. 2873.
 Beppu, T. 3705.
 Beran, M. 7232, 7233.
 Beranek, J. 71, 84, 85, 3391, 5274, 6611.
 Berdyshev, G.D. 1102, 2842.
 Bereikis, R.P. 5685.
 Berencsi, D. 2619.
 Berencsi, G. 1004.
 Beresten, S.F. 2394.
 Berezina, L.K. 1870.
 Berezina, O.N. 1545, 6085.
 Berg, D.E. 1787, 3095, 6344.
 Berg, H. 1568, 3084, 3085, 4884.
 Berg, H.C. 1385.
 Berg, O.G. 4565.
 Berg, P. 1689, 2992, 3752, 3869, 5505, 5506.
 Berg, P.E. 5605.
 Bergene, R. 1343.
 Berger, J.D. 5015.
 Berger, N.A. 1648, 1666, 5577, 7165.
 Berger, S.L. 6055.
 Berger, U. 6183.
 Berget, S.M. 3535, 5946.
 Bergmann, I. 6078.
 Bergmann, J.E. 3638, 4133.
 Bergmans, H.E.N. 3757.
 Bergquist, B. 6583.
 Bergquist, P.L. 7245.
 Bergstrom, D.E. 1833, 6584.
 Beridze, T.G. 6258, 7103.
 Beringer, J.E. 3851, 5104.
 Berissi, H. 3228.
 Berkin, B.I. 4617.
 Berkner, K.L. 3745, 5118, 5140.
 Berlin, Yu.A. 5795, 5796.
 Berlow, S. 213.
 Berman, A.E. 232.
 Berman, H.M. 1380, 5233.
 Berman, M.A. 3191.
 Berman, S.M. 987.
 Bermek, E. 1308.
 Bernard, J.P. 1731.
 Bernard, O. 2667.
 Bernardi, A. 6352.
 Bernardi, F. 5691, 6352, 6423.
 Bernardi, G. 4882, 4999.
 Bernards, R. 6247.
 Bernhard, K. 5078.
 Bernier, G. 922.
 Bernier, J.-L. 6572.
 Berns, K.I. 4318.
 Berns, M.W. 3523.
 Bernstam, V.A. 2.
 Bernstein, C. 7130, 7131.
 Bernstein, H. 7130, 7131.
 Berridge, M.V. 1533.
 Berry, C.H.J. 2427.
 Berry, D.R. 4215.
 Berstein, R.L. 3406.
 Bert, C. 6114.
 Bertaux, O. 6506.
 Berthelot, F. 4800, 6804.
 Berthold, V. 1669.
 Bertinchamps, A. 6613.
 Bertino, J.R. 2798.
 Bertoli, E.A. 5868.
 Bertolini, L. 4452.
 Bertsch, L.L. 574.
 Bertschinger, H.J. 1550.
 Berzin, A.E. 124.
 Berzin, V.M. 1469, 4070, 4772, 4884.
 Besmer, P. 3520.
 Beshpalova, S.V. 6955.
 Bessler, H. 1984.
 Besson, J. 3531.
 Bettecken, T. 5479.
 Beutler, E. 4512.
 Beuz, W.C. 2794.
 Bewley, J.D. 1418.
 Beyer, A.L. 616.
 Beyer, R. 4041.
 Beyer, T.V. 223.
 Beynon, J.L. 3851.
 Beyreuther, K. 4567, 5681.
 Bezanson, G.S. 5011.
 Bezborodova, S.I. 303.
 Bezirdjanyan, Kh.O. 6378.
 Bezrukov, V.V. 6832.
 Bharati, S.G. 6020.
 Bhat, S.P. 7281.
 Bhatt, H. 1203.
 Bhattacharya, S. 4461.
 Bhattacharya, P. 5636.
 Bhoopalam, N. 1239.
 Bhoshan, B. 107.
 Bhorjee, J.S. 6512.
 Bhunya, S.P. 2236.
 Bhuta, A. 3497.
 Bhuta, P. 2423.
 Biagioni, S. 3659.
 Bialkowska-Hobrzanska, H. 4458.
 Bianchi, N.O. 6237.
 Bianchini, A. 4623.
 Biavati, B. 2640.
 Bibb, M.J. 474.
 Bichel, P. 5446.
 Bick, M.D. 1801, 5470, 5522.
 Bidney, D.L. 6478, 7423.
 Bidnyj, S.Yu. 1580.
 Bidwell, K. 3714.
 Biebr, D.G. 4987.
 Bielka, H. 199, 3485, 4013, 4112, 4723, 5916.
 Bienkowski, M. 6283.
 Bieri-Bonniot, F. 3918.
 Biernat, J. 18, 5272.
 Bigelis, R. 7277.
 Biggar, D. 551.
 Biggar, R.J. 3733.
 Bigger, C.A.H. 6108.
 Billardon, C. 458, 1674.
 Billen, D. 5031.
 Billeter, M.A. 2449, 2450, 2451.
 Billett, M.A. 6486.
 Billig, D. 7082.
 Billings, P.C. 6489.
 Bina-Stein, M. 593, 3547.
 Bingham, A. 1716.
 Bingham, P.M. 5221.
 Binkley, R.W. 1837.
 Binkley, W.W. 1837.
 Binns, M.M. 6334.
 Biondi, R. 410.
 Birbeck, M.S.C. 1262.
 Birch-Hirschfeld, E. 4063.
 Bird, R.E. 3289.
 Birdsall, N.J.M. 5818.
 Birg, F. 3744.
 Birken, S. 315.
 Birkenmeier, E.H. 1522, 3583.
 Birnbaum, G.I. 5264.
 Birnboim, H.C. 406, 437.
 Birnie, G.D. 2516, 3039, 4838, 5074.
 Birnstiel, M.L. 6232, 6802, 2084, 5921, 6372, 6475.
 Biro, J. 1512, 3590.
 Biro, P.A. 405, 5531.
 Biryukov, A.I. 2388, 771, 778, 1879.
 Biserte, G. 2247, 5676.
 Bishop, D.H.L. 4173, 5381, 5422, 5963, 6784, 6823.
 Bishop, J.M. 670, 946, 1010, 1471, 1593, 2623, 3045, 4080, 6702, 6904, 7057, 7098.
 Bishop, J.O. 657, 6400, 7279.
 Bishun, N. 2143.
 Bishun, N.P. 2879.
 Dister, K. 4163.
 Biswal, N. 1687, 4330.
 Biswas, D.K. 4649, 5525.
 Biswas, R.K. 7088.
 Bjerknes, C.A. 7220.
 Bjursell, G. 3732, 6276, 7051.
 Black, B.C. 6524.
 Black, D.N. 2457, 2461, 5375.
 Black, L.W. 1000, 1590.
 Black, P.H. 7120.
 Black, S. 3372.
 Black, V.L. 541.
 Blackburn, B.J. 1216.
 Blackburn, G.M. 6097, 6976, 46.
 Blackburn, G.R. 3072.
 Blackwood, G.C. 4099.
 Blagoi, Yu.P. 38, 2312.
 Blaha, K. 1559.
 Blake, G. 2563.
 Blakely, E.A. 7164.
 Blakeslee, J. 2051.
 Blakesley, R.W. 4937.
 Blamire, J. 2723, 4419.
 Blanc, H. 6350.
 Blanchard, B.J. 6490.
 Blanchard, J.-M. 1935.
 Blangy, D. 5105.
 Blank, M.A. 6257.
 Blankenship, M.L. 1594, 6193.
 Blanquet, S. 2942, 5334, 5852, 6117.
 Blanton, R.A. 1508, 3607.
 Blas, F. 1029, 5100.
 Blattner, F.R. 3244, 3859.
 Bleichrodt, J.F. 3074.
 Blend, M.J. 2910.
 Blevins, R.D. 7171.
 Blin, N. 4987, 7083.
 Blinkowa, A. 4416.
 Blinov, M.N. 2437, 5255.
 Blinova, M.I. 463.
 Blinova, N.N. 237.
 Blitstein-Willinger, E. 4673.
 Blobel, G. 792, 4568.
 Bloch, J.C. 1991.
 Blocker, H. 734, 2029, 2030, 2034, 2036, 2037.
 Bloemendal, H. 831, 937, 1534, 2395, 2536, 2948, 5435.
 Bloemers, H.P.J. 4606.
 Blohm, D. 3092.
 Blomberg, C. 4565, 4581.
 Bloom, K.S. 1279, 1774.
 Bloomfield, V.A. 6168.
 Blue, W.T. 1737.
 Blumberg, B.M. 4134.
 Blumenfeld, M. 6489, 7085.
 Blumenthal, A.B. 2204, 5230.
 Blumenthal, R.M. 3022.
 Blumenthal, T. 5911.
 Bluthmann, H. 1772.

- Boal,R. 5518.
Boaz,J. 6084.
Bobek,M. 1832, 5271.
Bobko,I.E. 3439.
Bobko,L.E. 5819.
Bobrow,M. 2867.
Bobruskin,I.D. 3415, 4032, 6620.
Bobst,A.M. 156, 5807.
Bocchini,V. 6755.
Boch,G. 5088.
Bock,A. 2425, 4088, 4121.
Bock,R.M. 1395.
Bocker,R. 233, 1460.
Bockrath,R.C. 6377.
Bodell,W.J. 3172, 3676, 6109, 6302.
Bodemer,M. 3539.
Bodemer,W.W. 3539.
Bodley,J.W. 2968.
Bodnar,C.M. 3428.
Bodnar,J.W. 6533.
Bodo,G. 2288, 3548.
Boecker,W.R. 1639.
Boedtker,H. 1698, 6371, 6803.
Boehm,T.L.J. 7101.
Boehmer,S. 1075.
Boeke,J.D. 6355, 7034.
Boerma,C.L. 7080.
Boersma,D. 3488, 3505.
Boffa,L.C. 606, 600.
Bogatyeva,S.A. 1919.
Bogdanov,A.I. 1737, 2421, 3493, 5309, 5310, 6932.
Bogdarina,I.G. 1145, 5167, 6448.
Bogenhagen,D. 4471.
Boggs,S.S. 1784.
Bogler,J. 6463.
Bogomolova,N.N. 2761, 5442.
Bogorad,L. 417, 2012, 3140, 4490, 5622.
Boguslawski,S. 6748.
Bohacek,J. 5740.
Bohm,H. 5883.
Bohn,E.W. 6430.
Bohn,M. 3751.
Bohn,M.J. 635.
Bohner,H.J. 7291.
Bohr,V. 280, 3786.
Boileau,G. 4728.
Boileau,M. 1677.
Boime,I. 315, 316.
Boin,L.F. 953.
Boiron,M. 2477.
Boitani,C. 263, 1324.
Boiteux,S. 5719.
Boitsov,A.S. 7023, 7024.
Bajkov,P.Y. 6499.
Bol,J.F. 2007, 3903, 4175.
Bolcsfoldi,G. 216.
Bolden,A. 4818.
Boldogh,I. 2696.
Boldyreva,L.G. 165.
Boldyreva,E.F. 2360, 5317.
Bolivar,F. 2747, 5079, 7027.
Boll,W. 7265.
Bollen-De Boer,J.E. 2651, 2652, 6321.
Bollen,A. 4116.
Bollum,F.J. 4004, 5157.
Bolognesi,C. 4898, 5044.
Boloni,E. 3465.
Bolotina,I.A. 4474.
Boloukhere,M. 5570.
Bolshakova,T.N. 2487.
Bolt,H.M. 4768.
Bolte,J. 25.
Bolton,P.H. 3078.
Bomer,H. 723.
Bommer,U.A. 5916, 4723.
Bonaldo,M.F. 4991.
Bonamy,C. 1692.
Bond,C.W. 5955.
Bond,E.F. 7442.
Bond,S.B. 1013.
Bondar,T.S. 3434.
Bondar',P.I. 3006.
Bondurant,M. 546, 2756.
Bondurant,M.C. 4191.
Bone,D.R. 1071.
Bonetti,E. 4835.
Bongale,U.D. 6020.
Bonicec,A. 6114.
Bonner,J. 1058, 2851, 3655, 6240, 6243, 6922, 7010, 7033.
Bonner,T.I. 4257.
Bonner,W.M. 961, 5662, 7099.
Bonora,M. 4835.
Bonven,B. 4702.
Boobis,A.R. 3671, 4274, 4895.
Bookout,J.B. 4330, 1687.
Boone,R.F. 4780.
Boone,T. 1026.
Boos,K.-S. 1368, 113.
Booth,A. 6598.
Booth,B.W. 3628.
Bootsma,D. 5692.
Borazan,H.N. 6559.
Borbely,G. 7311.
Borchardt,R.T. 180, 2218.
Borchsenius,S.N. 3117, 6860, 7071.
Borck,W. 6461.
Borden,E.C. 3628.
Bordin,F. 4888, 4892, 4911.
Boreiko,V.K. 6048.
Borek,E. 4600.
Borgers,M. 1740.
Borin,G. 1709.
Boriskii,Yu.S. 5442, 2761.
Borisov,A.Yu. 5309.
Borisov,B.N. 5069, 5468.
Borisov,V.V. 1158.
Borisova,G.P. 4844.
Borisova,O.F. 3939.
Borisova,S.N. 1158.
Borkowski,T. 1883.
Born,J. 5452.
Bornkamm,G.W. 4952.
Bornstein,P. 5560, 5859.
Borochoy,N. 984.
Boros,I. 3870, 4974.
Borovkova,T.V. 5069.
Borrias,W.E. 7081.
Borst,P. 950, 2649, 2651, 2652, 3118, 4005, 4350, 4351, 4357, 5249, 6321, 7076.
Borun,T. 2246.
Borun,T.W. 5664.
Bos,J.L. 3118, 4350, 4357, 7076.
Bosch,L. 825, 826, 892, 1450, 1451, 4117, 4130, 6913.
Bose,A. 4758.
Boseley,P.G. 6232, 1015.
Bosi,P. 5007.
Bosly,A. 7234.
Bossart,W. 2006.
Bostock,C.J. 3782.
Boswell,K.H. 1371.
Both,G.W. 4168, 5428, 7052.
Botstein,D. 6344, 2746, 2999, 6531.
Bottger,M. 6191, 7450.
Bottiroli,G. 4273.
Bottomley,W. 1962, 4100.
Bouanchaud,D.H. 2068.
Boublik,M. 4103, 4105.
Bouchec,C. 3283.
Boucher,C. 7243.
Boulanger,Y. 4084.
Bouligand,Y. 1272.
Boulnois,G.J. 6288.
Bouloy,M. 894, 4778.
Boulter,D. 4739.
Bouman,M.-E. 2518.
Bouman,H. 4486, 5402.
Bourassa,W.L. 6030.
Bourd,G.I. 2487.
Bourgaux,P. 5540.
Bourgeois,S. 3993.
Boutagy,J. 55, 3379.
Bouteille,M. 3574.
Boutibonnes,P. 4414.
Boutwell,R.K. 6294.
Bove,J.-M. 4241, 3639.
Bowden,D.W. 6149.
Bowles,M. 4210, 4311.
Boyчук,V.V. 2827.
Boyd,A.L. 1114.
Boyd,D.H. 7340.
Boyer,H.W. 1170, 2476, 3097, 3759, 4571, 7027.
Boyer,S.H. 6249.
Boykin,D.W. 969.
Boykov,P.Y. 1672.
Boyle,S.M. 284, 5352.
Boynton,J.E. 4650.
Bozal,J. 2810, 2811.
Bozhko,G.K. 1766.
Bozzoni,I. 1045, 7284.
Brabec,V. 41, 4619.
Brachet,J. 5570.
Brack,C. 1625, 2744, 4997, 7031.
Bradbury,E.M. 1040, 1251, 1266, 2237, 2880, 3762.
Bradley,M.L. 1790.
Bradley,M.O. 350, 2918, 3068, 6959.
Braga,E.A. 2607.
Braginskaya,F.I. 4921.
Brahic,M. 869, 2973, 5964.
Brahmachary,R.L. 6838.
Brahms,J. 5811, 6482, 7419.
Brahms,J.G. 7435.
Brahms,S. 5811.
Brakel,C.L. 2204.
Brakier-Gingras,L. 4728.
Bram,S. 619, 4558.
Brambilla,G. 3674, 3807, 3817, 4898.
Brammar,W.J. 6351.
Brand,I. 2124.
Brand,K.G. 2124.
Brandi,H. 6281.
Brandis,H. 6083.
Brandis,J.W. 3640, 4704.
Brandsch,R. 209.
Brandt-Rauf,P. 819.
Brandt,L. 230, 1459.
Brandt,A. 4767.
Brandt,W.F. 1761.
Branlant,C. 799, 2412.
Branscomb,E.W. 1196, 4502.
Brasch,K. 5670.
Brasel,J. 5174.
Bratosin,S. 858, 2975, 3582, 4172, 5954.
Bratuc',A.S. 7396.
Braude,P.R. 4707, 6770.
Brauer,D. 4717.
Braun,B.A. 1555.
Braun,D.P. 5700.
Braun,L. 4752.
Braun,R. 318, 1360, 2186, 2856, 4979, 5510, 5674, 7427.
Brawerman,G. 886, 6078.
Brawner,T.A. 2502.
Bray,R.P. 4569.
Brdar,B. 3594, 6610, 6908.
Breathnach,R. 1047, 1050, 3773, 4992.
Breen,D.L. 373.
Breg,W.R. 1505.
Bregadze,V.G. 6955.
Bregerege,F. 4939, 477.
Breindl,M. 5232.
Breitkreutz,D. 2008.
Brem,S. 5459.
Brenner,D.A. 7245.
Brennan,T. 173.
Brennan,V. 2468.
Brenner,D.J. 2646.
Brennssel,B.A. 4649, 5525.
Brent,T.P. 4521.
Brentani,M.M. 879, 5942.
Brentani,R.R. 879, 5942.
Bresil,H. 7159.
Breslauser,K.J. 3428, 4052.
Bresler,S.E. 1081, 1654, 2763, 4395.
Breslow,R. 1152.
Bresnick,E. 2578, 3670, 4401, 6981.
Bretana,A. 6968.
Brevet,A. 772.
Brian,D.A. 2453.
Brian,M.J. 1088, 4404, 5526.
Briand,J.P. 1482.
Bricogne,G. 2463.
Bridenbaugh,R. 113.
Bridges,B.A. 1321, 2704, 7390.
Bridges,S.D. 86.
Bridges,S.H. 4191.
Bridson,P.K. 98.
Briendl,M. 4954.
Briggs,R.C. 3289.
Briggs,W.R. 2598.
Brikov,V.A. 2657, 3121.
Brim,C.A. 5533.

- Brimacombe, R. 6544, 801.
 3477, 3478, 4718, 6713.
 Brinster, R.L. 287.
 Brisson, N. 4728.
 Britikova, N.E. 2904.
 Britten, R.J. 304, 1456, 1490,
 2085, 2658, 2659, 5394,
 5976, 6846.
 Broach, J.R. 2746, 4771.
 Brocas, H. 2507, 3592, 6009,
 7203.
 Broccoli, A.V. 3286.
 Broch, H. 6129.
 Brockman, R.W. 1351.
 Broda, P. 5488.
 Brodeur, R. 6809.
 Brodskaya, L.M. 4066.
 Brockaert, D. 2677, 3138, 7102.
 Broeze, R.J. 788, 6927.
 Brogger, A. 3333.
 Broker, T.R. 1470, 5945.
 Brokes, J. 5274.
 Bromley, P.A. 2459, 3544,
 3746, 5933.
 Broni, B. 3580.
 Brookbank, J.W. 2239.
 Brooker, J.D. 257.
 Brookes, P. 2060, 3064, 6962,
 6982.
 Brooks, Low, K. 4085, 6688.
 Brooks, J.E. 3604.
 Brooks, M.H. 1336.
 Broom, A.D. 3429, 6642.
 Broome, S. 480.
 Broomfield, D. 4477.
 Brosius, J. 1027.
 Brost, E.-F. 6236.
 Brot, N. 284, 934, 1444, 5089.
 Brothers, J.F. 622.
 Broucek, J. 6420.
 Broude, N.E. 1429, 2966.
 Brouillette, C.B. 5648.
 Brousseau, R. 4059.
 Brown-Luedi, M.L. 220.
 Brown, A. 2525, 3599.
 Brown, A.J. 7169.
 Brown, A.J.P. 6214, 6215.
 Brown, B.J. 4302.
 Brown, B.R. 5457, 5458.
 Brown, C.A. 6431.
 Brown, C.M. 6783.
 Brown, D.D. 1522, 3127, 4813.
 Brown, D.M. 46, 86.
 Brown, E.L. 5792, 5793, 5816,
 5817, 5990.
 Brown, F. 1474, 1799, 2457,
 2461, 5375.
 Brown, F.L. 2090.
 Brown, G.E. 2520.
 Brown, G.G. 6242.
 Brown, G.L. 585.
 Brown, G.M. 21.
 Brown, H.S. 6972.
 Brown, I.R. 914, 1548.
 Brown, J.R. 7013.
 Brown, K. 1028.
 Brown, K.D. 5673.
 Brown, M. 1071, 5157.
 Brown, M.G.M. 5588, 6345.
 Brown, M.S. 1076.
 Brown, N.C. 1588, 5153.
 Brown, N.L. 2065, 2604.
 Brown, N.R. 2334.
 Brown, P.C. 6805.
 Brown, P.O. 1223.
 Brown, P.R. 1364, 4028.
 Brown, R.E. 40, 5818, 6449.
 Brown, R.S. 758.
 Brown, S.D.M. 6238.
 Brown, S.E. 7041.
 Brown, T. 355.
 Brown, W.M. 5002, 5521.
 Browne, M.J. 1630, 5776.
 Brownell, J. 4106, 6642.
 Browning, K.S. 4784.
 Brownlee, G.G. 853, 1323,
 1955, 2471, 3126, 3774,
 4168, 4363.
 Broyle, S. 148, 243, 4666.
 Brozmanova, J. 1080.
 Bruce, A.G. 1234.
 Bruening, G. 4564.
 Bruenn, J.A. 2468.
 Brugge, J.S. 2156.
 Bruggeman, A. 843.
 Brullert, A. 5288.
 Brun, G. 2692.
 Brunel, C. 7416.
 Brunel, F. 6163.
 Bruni, C.B. 1029, 5100.
 Bruning, H.J. 5083.
 Brunk, C.F. 4873.
 Bruns, W. 2965.
 Brunton, J.L. 4866.
 Bruschke, C. 6375.
 Bruskov, V.I. 7128, 7186.
 Brutlag, D. 3983, 1620, 2662,
 7444.
 Bruzel, A.R. 4233.
 Bryan, P.N. 602, 4547.
 Bryans, J.T. 1742.
 Bryant, D.W. 2767, 7139.
 Bryant, E.M. 6502.
 Bryant, J.A. 1953, 3914.
 Bryant, M.L. 1941.
 Bryant, T.H.E. 3512.
 Brychey, T. 2707.
 Bryksina, L.E. 2827, 7406.
 Bryngelsson, C. 957.
 Bryngelsson, T. 4278.
 Bryskina, L.E. 2592, 4531,
 7480.
 Bubenschikova, S.N. 7014.
 Buc, H.-A. 561.
 Buchanan, J.G. 5750, 5751.
 Buchanan-Wollaston, A.V.
 3851.
 Buchardt, O. 2406.
 Buchbinder, M. 6957.
 Buchel, D.E. 378.
 Bucheler, J. 3673, 4277.
 Buchholz, P. 1248.
 Buchman, T.G. 1596.
 Buchner, P. 719.
 Buchowicz, J. 1633.
 Buck, F. 4567.
 Buck, K.W. 269, 2485, 2793.
 Buckel, P. 2425.
 Buckingham, R.H. 6676, 6694.
 Buckland, R.A. 3782.
 Buder, E. 359, 2597.
 Budinger, J.M. 4037.
 Budker, V.G. 1866, 3425, 3435.
 Budowsky, E.I. 215, 1429,
 2966, 5318, 6111, 6751.
 Budzikiewicz, H. 4654, 2348.
 Buecheler, J. 2054.
 Buell, G.N. 6142.
 Bugara, A. 604.
 Buhler, R. 1167.
 Buisson, M. 1437, 4721.
 Buitenhek, A. 825, 826.
 Bujard, H. 2616, 3892.
 Bukata, L.A. 4849.
 Bukhari, A.I. 1586, 2145.
 Bukrinskaya, A.G. 3290, 3466,
 5657, 5678.
 Bull, H.G. 2212, 2323.
 Buller, R.M.L. 6271.
 Bullock, L.P. 1184.
 Bunce, S. 4053.
 Buncel, E. 6579.
 Bunemann, H. 5448.
 Bunea, V.N. 4516.
 Bunge, I. 1887.
 Buoen, L.C. 2124.
 Buongiorno-Nardelli, M. 1618.
 Buraczynska, M. 7019.
 Burbank, D.E. 6403.
 Burch, J.B.E. 3962, 5209.
 Burchell, J.M. 274, 4183.
 Burchenal, J.H. 5770.
 Burchett, S. 847.
 Burck, K.B. 3208.
 Burckhardt, G. 7420.
 Burckhardt, J. 3031, 5921.
 Burdman, J.A. 5544.
 Burdon, R.H. 1630, 3134, 6870,
 7301.
 Burducea, O. 4732, 5350.
 Burgasova, M.P. 1384.
 Burger, E.-C. 4803.
 Burger, K.J. 4381.
 Burger, R.M. 341.
 Burgers, P.M.J. 133, 132, 720,
 732, 2928, 4518, 4661, 4663,
 7369.
 Burgess, R.R. 5144.
 Burgett, S.G. 1539.
 Buriot, D. 7163.
 Burk, H.J. 1853.
 Burk, L. 7385.
 Burkard, G. 2938, 7291.
 Burke, D.C. 1869, 6389, 6649.
 Burke, D.D. 5926.
 Burke, J.F. 4379, 4426, 5576.
 Burke, R.L. 2613.
 Burkhardt, H.J. 4931, 2603,
 3707.
 Burkhardt-Schultz, K.J. 5229.
 Burlakova, E.B. 1672.
 Burman, C.J. 6388.
 Burnett, J.P., Jr. 4587.
 Burnett, W. 4247.
 Burns, A.T.H. 1556.
 Burns, E.R. 2132, 3825, 3842.
 Burns, F.J. 6975.
 Burny, A. 2550.
 Burny, A. 4091.
 Burr, J.G. 2311, 2314.
 Burrell, C.J. 5597.
 Burrell, H.R. 1520.
 Burrellman, M. 4296.
 Burris, R.H. 5248.
 Burrone, O.R. 5902.
 Burroughs, J.N. 1799, 2461.
 Burrow, G.N. 4736.
 Burrows, W.J. 1815, 3362,
 5326.
 Burstein, D.E. 2522.
 Burstein, Y. 2531, 6072.
 Burtis, K. 2196.
 Burton, D.R. 601.
 Burton, W.G. 4437, 4765.
 Burtseva, N.N. 1675, 6888.
 Buryanov, Ya.I. 1145, 3927, 5167,
 6448.
 Busby, S. 4810.
 Busch, H. 2521, 5532, 5693,
 6254, 6256.
 Buse, M.G. 6735.
 Bush, J.W. 5623.
 Bushnell, D.E. 454.
 Bushnev, A.S. 4029.
 Bushuev, V.N. 1431.
 Busiello, V. 4733.
 Buss, W.C. 1175, 3597.
 Busslinger, M. 6475.
 Bustin, M. 2261.
 Butel, J.S. 2435, 2755, 6829.
 Butenko, Z.A. 1455.
 Butler, A.P. 5198.
 Butler, E.E. 5367.
 Butler, G. 2274.
 Butler, L.G. 570.
 Butler, M.J. 601.
 Butler, P.J.G. 1527, 3553, 4785,
 6541.
 Butorin, A.S. 165.
 Butour, J.-L. 7005.
 Butow, R.A. 5694, 3876, 6863,
 6864.
 Butt, T.R. 622, 4544.
 Butt, Z. 2174.
 Butterworth, P.H.W. 7279.
 Buttner, W. 3105.
 Buttsbaum, J. 939.
 Buyer, R. 142.
 Buzhurina, I.M. 6867.
 Buzzoni, M. 1891.
 Byers, B. 3828, 7074.
 Byers, M.J. 4150, 6084, 6091.
 Byhan, O. 3625.
 Bykovsky, A.F. 2739.
 Bynum, G.D. 6496.
 Byrne, H. 2546.
 Byrne, R.H. 603.
 Byrnes, J.J. 541.
 Bystrov, N.S. 2360.
 Bystrova, T.F. 1429.
 Bytyci, M. 6562.
 Byvoet, P. 2840.
 Cabanas, M.J. 1913.
 Cabello, F. 982, 2603, 3707.
 Cabezon, T. 4116.
 Caboche, M. 294, 4194.
 Cabrera, B. 2520.
 Cabrera-Juarez, E. 4271.
 Cacace, M.G. 5143.
 Cacciatore, L. 6686.
 Cadet, J. 2332, 6593.
 Cadger, T. 80.
 Cadossi, R. 5007.
 Caers, L.I. 591, 4858, 5197,
 6931.

- Caffieri, S. 4890.
 Cahn, F. 1454.
 Caiafa, P. 3659.
 Caillet-Fauquet, P. 5719.
 Cain, B.F. 1579.
 Cairns, E. 1529, 2945, 4451.
 Cairns, J. 1676.
 Cake, M.H. 654.
 Calahorra, C.V. 26.
 Calame, K. 993, 2267.
 Calame, K.L. 4305.
 Calberg-Bacq, C.M. 2047, 2700, 3062, 6112.
 Caldiroli, E. 2433.
 Caldwell, P. 934, 1444, 5089.
 Calef, E. 2764.
 Calendar, R. 3896, 6149.
 Caliani, M.J. 5477.
 Caliguiri, L.A. 2232.
 Calisher, C.H. 6784.
 Callahan, R. 4324.
 Callan, H.G. 3573.
 Callis, J. 7183.
 Caloin, M. 3730.
 Calos, M.P. 1021, 5099.
 Calos, P. 4345.
 Calvaruso, G. 2210.
 Calvert, P.C. 490.
 Calvet, J.P. 587, 3565, 4796.
 Camacho, A. 2168.
 Camardella, L. 4795.
 Camerini-Otero, R.D. 2838.
 Cameron, I.R. 2760.
 Cameron, J.R. 3877, 4984.
 Cami, B. 1046, 2665, 3215, 3773, 4939, 5114, 6233, 6235.
 Camp, C.J. 5536.
 Campadelli-Fiume, G. 1309.
 Campagnari, F. 130, 2372, 6453.
 Campana, T. 7225.
 Campbell, A. 6344.
 Campbell, A.M. 3289.
 Campbell, G.R. 4349.
 Campbell, J.L. 3706, 7187.
 Campbell, J.W. 1817.
 Campbell, K.M. 1329.
 Campbell, L.M. 2021.
 Campbell, M.T. 1353.
 Campbell, P.N. 3522, 6763.
 Campbell, R. 3409.
 Campo, M.S. 2760.
 Campomanes, M. 3047.
 Campos, D., III 4240.
 Campuzano, S. 4744, 6743.
 Canaani, D. 830, 6788, 6789.
 Canaani, E. 4326.
 Cancedda, R. 5370, 5961.
 Cahdeli, A. 2638.
 Candido, E.P.M. 1246, 1762, 1793.
 Canellakis, E.S. 2050.
 Caner, J. 2697.
 Canfield, L.M. 452.
 Canfield, R. 315.
 Cannistraro, S. 2047.
 Cannistraro, V.J. 4243.
 Cannon, F. 4576, 5102.
 Cannon, F.C. 4931, 6210, 7068.
 Cannon, L.E. 5437.
 Cannon, M. 1434.
 Canosi, U. 2154, 2601, 4027.
 Cantell, K. 5296.
 Cantoni, G.L. 2334.
 Cantoni, L. 3234.
 Cantoni, R. 3234.
 Cantor, C.R. 2061, 2951, 5667, 5872, 5878.
 Cantraine, F.R.L. 3694.
 Cantrell, M. 804.
 Canuel, L.L. 2366, 2929, 5812, 6637.
 Capage, M. 3873.
 Capaldo-Kimball, F.N. 2206.
 Capco, D.G. 3517, 3518.
 Capelle, N. 1573, 6117.
 Capetanakis, J. 1362.
 Capitani, S. 1765, 3951.
 Caplan, A.I. 594, 629, 630, 1495, 2249.
 Capps, M.J. 2848, 2859.
 Capri, M. 1183.
 Caputo, A. 1162.
 Caradonna, J.P. 2327.
 Carbon, J. 6951, 3217, 6142, 7247.
 Carbon, P. 2465.
 Carbone, G.P. 150.
 Cardelli, J.A. 3521, 2832.
 Cardiff, R. 3863.
 Cardinaud, R. 1820.
 Carere, A. 395.
 Carey, N.H. 4374.
 Carias, J.R. 5332.
 Carignani, G. 5513.
 Carinci, P. 1891.
 Carlassare, F. 4888, 4911.
 Carlier, A.R. 591, 4858, 5197, 6931.
 Carlier, C. 5105.
 Carlo, P. 3817.
 Carlomagno, M.S. 5100.
 Carlson, D.P. 893.
 Carlson, M. 1620, 2663.
 Carlson, P.S. 3212.
 Carlton, B.C. 4302.
 Carmichael, G.G. 4334.
 Carmona, A. 2402.
 Carnes, D.L., Jr. 1817.
 Caro, L. 7188.
 Caroon, J.M. 1342.
 Carpenter, J.G. 2118, 7179.
 Carr, G.P.R. 710.
 Carr, R.I. 3936, 5653.
 Carrano, A.V. 3562, 3979, 5229, 6519.
 Carrasco, A.E. 2473.
 Carre, D. 6447.
 Carrico, C.K. 5766.
 Carrier, W.L. 7171.
 Carroll, A.R. 528, 3268, 6045.
 Carroll, D. 7434.
 Carsana, A. 7304.
 Carson, D.A. 5285.
 Carter, C.W., Jr. 596, 613.
 Carter, A.T. 2782.
 Carter, B.J. 3527, 3724, 7108.
 Carter, C.A. 4671, 5632, 7475.
 Carter, H.B. 4415.
 Carter, T.H. 1508, 3607.
 Carter, W.A. 741, 5642.
 Cartwright, B.A. 43.
 Carty, D.S. 4187.
 Caruso, A. 1891.
 Caruso, T.P. 1354.
 Caruthers, M.H. 653, 652, 6537.
 Carwile Leroy, E. 5187.
 Cary, P.D. 1266.
 Casadaban, M.J. 7251.
 Casale, A. 1542.
 Casano, C. 3031.
 Casciano, D.A. 2711.
 Case, M.E. 4656.
 Case, S.T. 2087.
 Casella, E. 1643.
 Cash, P. 6823.
 Cashel, M. 5487.
 Cashion, P. 80.
 Cashman, J.S. 4234.
 Casjens, S. 1886.
 Caskey, C.T. 5901.
 Casoli, C. 1179.
 Caspary, W.J. 2275.
 Cass, C.E. 2351, 5278.
 Cassai, E. 4166, 4880.
 Cassani, G. 1637.
 Casse, F. 7243.
 Cassidy, J.T. 2830.
 Cassingena, R. 1131.
 Castanho, B. 5367.
 Castell, J.V. 3341.
 Castellazzi, M. 3164.
 Castellet, J.J., Jr. 7375.
 Castle, T. 231, 3035, 6886.
 Castler-Schecter, B. 927.
 Castro, A. 4525.
 Castro, C.E. 5001, 7463.
 Castro, R. 3339, 3341.
 Castroviejo, M. 6425, 6427.
 Catala, F. 3868.
 Catanzaro, O.L. 2021.
 Cathala, G. 7318.
 Catley, P.F. 5639.
 Catlin, G.H. 4374.
 Cato, A.C.B. 1630, 3134, 7301.
 Catterall, J.F. 483, 3772, 3774, 4363.
 Cattolico, R.A. 3516, 5444.
 Caucheteux, D. 904.
 Cauchy, D. 6644.
 Cavalieri, E. 3065.
 Cavalieri, E.L. 6973.
 Cavalieri, L.F. 4394.
 Cavalieri, R.L. 2278.
 Cavallo, G. 5314.
 Cavanna, M. 3674, 3807, 3817, 4898.
 Cave, M.D. 2711, 4360.
 Cavrini, V. 1344.
 Cawley, D.B. 5905, 6748.
 Cazer, F.D. 6977, 7156.
 Ceballos, M.M. 6318.
 Ceccarelli, A. 2420.
 Cecchini, J.-P. 3593, 6016.
 Cech, C.L. 3245, 3247.
 Cech, D. 5753.
 Cech, T. 7088.
 Cechova, J. 3043.
 Cedar, H. 4924.
 Cedergren, R.J. 241, 4226.
 Cejkova, M. 6376.
 Celis, J.E. 4002.
 Cenci, G. 2638.
 Center, M.S. 6524.
 Centerwall, W. 1551.
 Cepeda, J. 686.
 Cereghini, S. 6078.
 Cerini, R. 6686.
 Cerletti, N. 5308.
 Cerna, J. 689, 3499, 4040.
 Cerny, J. 4430.
 Cerutti, P.A. 5052, 6115.
 Cervinkova, Z. 2731.
 Cesarone, C.F. 5044.
 Cestelli, A. 5199.
 Cetrullo, C. 4835.
 Cetta, A. 2659.
 Ch'ih, J.J. 4097, 5900.
 Chabaud, O. 6833.
 Chabbert, Y.A. 2068, 5105.
 Chabot, F. 2458.
 Chacko, K.K. 48.
 Chacon-Fuertes, M.E. 5751.
 Chaconas, G. 4937.
 Chadwick, K.H. 432.
 Chadwick, R.G. 1732.
 Chae, C.-B. 1268.
 Chaiken, J.M. 6924.
 Chakhmakicheva, O.G. 2356, 5820, 3424.
 Chakraborty, A.M. 3998.
 Chakraborty, T. 1560.
 Chakraborty, K. 2390.
 Chakraborty, A.K. 4476, 4861, 6386.
 Chakravorty, M. 1642.
 Chalilpoyil, P. 1857, 5786.
 Chalkley, R. 598, 1164, 2242, 3961, 7432.
 Challberg, M.D. 3794, 7367, 7368.
 Chaloupka, J. 3043.
 Chamberlain, J.P. 312.
 Chamberlin, M.J. 519, 2632, 5623, 6851.
 Chambers, J.S. 1055.
 Chambers, R.W. 5090.
 Chambers, S.H. 2492, 2733.
 Chambliss, G.H. 1462.
 Chambon, P. 624, 634, 1046, 1047, 1050, 2665, 3773, 3900, 4939, 4992, 5201, 5608, 6235.
 Champagne, M. 5215, 7419, 7430.
 Champion, M. 2458.
 Champney, W.S. 5388.
 Champoux, J.J. 6545.
 Chan-Stier, C. 2853.
 Chan, A. 2670.
 Chan, H.W. 3845, 5093, 5094.
 Chan, J.C. 2974.
 Chan, J.Y.H. 3917.
 Chan, K.-M. 1893, 1895.
 Chan, L. 6370.
 Chan, P.T. 7190.
 Chanarin, I. 459.
 Chanchalashvili, Z.I. 1298.
 Chanda, R. 1673.
 Chandler, C. 3167.
 Chandler, M. 7188.
 Chandra, P. 518.
 Chandra, A.K. 7135.
 Chandra, P. 5162.
 Chaney, S.G. 3615.
 Chaney, W.G. 3645, 6060.

- Chang, C.-H. 3279.
Chang-Liu, C.-M. 352.
Chang, A.C.Y. 1694, 3779, 3854.
Chang, C. 797, 2302, 2349, 2981, 3164.
Chang, C.-C. 2743.
Chang, C.-H. 6628.
Chang, C.N. 4568.
Chang, C.T.-C. 5648.
Chang, C.W. 3588, 5355.
Chang, F.N. 806.
Chang, G.-G. 5847.
Chang, G.T. 7134.
Chang, J.C. 1054, 5984.
Chang, M. 446.
Chang, M.J.W. 6110.
Chang, R.-Y. 4927.
Chang, S. 5589, 5794.
Chang, S.H. 4682.
Chang, W.W. 2138.
Chang, Y.-M. 357.
Changchien, L.-M. 2419, 804, 4725, 5875.
Chanishvili, T.G. 394, 2814, 5169.
Chantler, J.K. 784, 1980.
Chantrenne, H. 2279.
Chao, M.V. 5205.
Chapleo, M.R. 1052.
Chaplygina, N.M. 1004, 2619, 6337.
Chapman, G.E. 1251, 2237.
Chapman, O.L. 1575.
Charbeneau, N.J. 1572.
Charezinski, M. 1883.
Chargaff, E. 506.
Charko, G. 4052.
Charles, D.J. 1115.
Charlier, D. 7063, 7067.
Charlier, J. 5331, 5846.
Charlier, M. 4582.
Charlin, R.E. 2337.
Charlton, R.K. 1074.
Charman, M. 1983.
Charnay, P. 2751, 3862, 4462, 5498.
Charney, E. 6641.
Charpin, N. 2162.
Charskij, V.V. 1771.
Charubala, R. 138, 6615, 6633.
Charukchieva, S.B. 5406.
Charzynska, M. 3830.
Chase, J.W. 3813.
Chashchin, V.L. 364.
Chasin, L. 5116.
Chastain, B. 4681.
Chater, K.F. 2782.
Chatterjee, B. 4209.
Chatterjee, C. 7198.
Chatterjee, G.C. 5028.
Chatterjee, N.K. 5947.
Chatterjee, P.J. 2061.
Chatterjee, R. 4286.
Chatterjee, S.N. 7198.
Chattopadhyaya, J.B. 62.
Chattopadhyay, S.K. 6878.
Chattoraj, D.K. 382, 4286.
Chau, H.T. 6018.
Chaudhari, N. 6226.
Chaudhuri, A. 6757.
Chaudhuri, R.K. 2166.
Chaudhuri, U. 2701.
Chaudun, E. 4400.
Chauvin, C. 1302.
Chavancy, G. 5695, 5825.
Chavez, D.J. 6038.
Chavez, F. 355.
Chay, T.R. 5804.
Chayoth, R. 3838.
Cheah, K.S.E. 6919.
Chebath, J. 6833.
Chebotarev, E.E. 3890.
Cheers, C. 157, 158.
Chefranova, O.A. 4396.
Chei, N. 4766.
Chekanovskaya, L.A. 365.
Chekhov, V.O. 5318.
Chekova, V.V. 4557.
Chelm, B.K. 1035, 5413.
Chelsky, D. 549.
Chelyapov, N.V. 2761, 5442.
Chen, M.S. 69.
Chen, C.-L. 6015.
Chen, C.-L.C. 793.
Chen, C.-M. 5163.
Chen, C.Y. 3454.
Chen, E.Y. 751, 3454.
Chen, H.-H. 5453, 6119.
Chen, J.-K. 1916.
Chen, J.F. 3853.
Chen, L.B. 660.
Chen, M.S. 4039, 6451.
Chen, P. 2584.
Chen, P.S. 3444.
Chen, S.-C.G. 523.
Chen, T.-C. 1587, 3142.
Chen, T.K. 2050.
Chen, Y.-H. 2241, 4535.
Chen, Y.-M. 2508.
Chenciner, N. 4166, 4880, 5495, 6825.
Cheng, C.-C. 1323.
Cheng, Y. 575.
Cheng, C.-C. 2471.
Cheng, D. 329.
Cheng, D.M. 738.
Cheng, T. 256, 3644.
Cheng, Y. 507, 6443.
Cheng, Y.-C. 3279, 3923, 7383.
Chepizheva, M.A. 583.
Chepurnova, N.K. 3884, 5127.
Chepyzheva, M.A. 7410.
Cherayil, J.D. 4179.
Chernajovsky, Y. 5917.
Cherney, C.S. 5338.
Chernij, D.I. 3687.
Chernos, V.I. 898, 6827.
Chernov, B.K. 2360, 5317.
Chernov, V.A. 2904.
Cherny, D.I. 4913.
Chernyshov, V.I. 4066.
Cherry, J.H. 5324, 5325.
Chertov, O.Yu. 6408.
Chesney, R. 2873.
Chesney, R.H. 4449.
Chestier, A. 1186, 3947.
Chestukhin, A.V. 6525, 6365.
Chetsanga, C.J. 7399.
Cheung, A. 6688.
Cheung, C.P. 2970, 3473, 4233.
Chevaillier, P. 1194, 1195.
Chevallier, A. 5695, 5823.
Chheda, G.B. 66, 1845, 3364.
Chia, D. 3799.
Chia, L.-L. 4182.
Chia, L.L.S.Y. 4682.
Chiang, C.C. 1857, 5786.
Chiang, K.-S. 420, 1615.
Chiang, P.K. 2334.
Chiao, Y.-C.C. 120.
Chiarelli, B. 3333.
Chiaureli, N.B. 3490.
Chiba, H. 4250.
Chichkova, N.V. 6932.
Chick, W.L. 480.
Chidambaram, M. 3605.
Chien, Y.-H. 5373.
Chignell, C.F. 7418.
Chikarashi, D.M. 5981.
Chikhirzhina, G.I. 3317.
Chikuma, T. 2329.
Childs, G. 1727, 2977.
Childs, J.D. 3075.
Chilson, O.P. 1221.
Chilton, M.-D. 3094, 3207, 5097.
Chim Kim Ann 6456.
Chin, G.N. 1363.
Chin, W.W. 1537.
Chinali, G. 1401.
Chinault, A.C. 6951.
Ching, T.M. 4843.
Chinnadurai, G. 2985.
Chinsky, L. 2066.
Chirigios, M.A. 1094.
Chirikjian, J.G. 7365, 1169, 5139, 6690, 7322.
Chiswell, D.J. 2104, 6433, 7050.
Chitre, A.V. 4537.
Chiu, J.F. 615.
Chiu, F.-C. 1438.
Chiu, J.-F. 616, 5938.
Chiu, N. 3583.
Chiu, N.H. 897.
Chiu, W. 1287.
Chizhikov, V.E. 1207.
Chkanikov, N.D. 2328.
Chladek, S. 3497.
Chlebowicz, E. 5553.
Chlyah, H. 3195.
Chmelar, V. 2133.
Cho, S. 256.
Choi, E.C. 5896.
Choi, Y.C. 2521.
Chorazy, M. 3957, 4496.
Chou, J. 7251.
Chou, M.-Y. 7363.
Chou, M.W. 1555.
Chou, R. 3919.
Chou, T.-C. 5770.
Choudary, P.V. 248.
Chousterman, S. 6176, 7263.
Chow, C.T. 2191.
Chow, L. 4771.
Chow, L.T. 1470, 1586, 1934, 5945.
Chow, M.B. 7053.
Chow, N.H. 3417.
Chowdhury, K. 3969, 7224.
Chowdhury, R.M. 1432.
Christ, B.G. 5273.
Christensen, L.E. 4034.
Christensen, L.F. 1371.
Christenssen, E.G. 238.
Christian, S.D. 41, 4619.
Christianson, T. 5605.
Christie, G.E. 3715.
Christie, N.T. 3122.
Christman, J.K. 1106.
Christmann, J.L. 1556.
Christofi, C. 3185.
Christophe, D. 6570.
Christopherson, R.I. 1345.
Chu, F. 284.
Chu-Der, O.M.Y. 6679.
Chu, B. 753, 2380, 6669.
Chu, C.-T. 2741.
Chu, C.K. 702, 5770.
Chu, F. 934.
Chu, L.-Y. 251.
Chu, M.-L. 1536.
Chu, Y.E. 2738.
Chu, Y.G. 5872.
Chuang, L.F. 5627.
Chuang, R.Y. 5627.
Chubick, A. 1241.
Chulitskaya, E.V. 3335, 5236.
Chumackov, P.M. 1333.
Chumakov, K.M. 2986, 4092, 7470.
Chung, B. 6366.
Chung, R.S.K. 1814.
Chung, S.K. 1414.
Chung, S.R. 6575.
Chung, Y.S. 7296.
Church, G.M. 756.
Chuvpilo, S.A. 381, 2615.
Chyn, R. 316.
Chyttil, F. 452, 3034.
Ciaccio, M. 5199.
Ciampi, S. 2940.
Cianciulli, A. 1162.
Cicurel, L. 7449.
Cidlowski, J.A. 2042.
Ciesiolka, J. 18, 5272.
Ciesla, Z. 5030.
Ciferri, O. 4753.
Cihak, A. 1310, 4833.
Cihlar, R.L. 3101.
Ciliberto, G. 2940.
Cimino, R. 4795.
Cinader, B. 1671.
Cioe, L. 3563, 6895.
Citerio, L. 33.
Civelli, O. 6069.
Civerolo, E.L. 837.
Clanton, D.J. 3237.
Clare, J.J. 4821.
Clark, B.F.C. 2967.
Clark, B.R. 5545.
Clark, C.W. 1270.
Clark, G.R. 5785.
Clark, J.L. 5329.
Clark, J.M., Jr. 4784, 4853.
Clark, R.A. 2921.
Clarke, M.J. 75.
Clarke, C.M. 3240.
Clarke, P. 7090.
Clarkson, B.D. 3265.
Clarkson, J.M. 5558, 6300.
Clarkson, S.G. 6372.
Clausen, O.P.F. 7200.
Clauwaert, J. 1436, 6721.
Claverys, J.P. 5207.
Clawson, G.A. 917, 1528.
Claycomb, W.C. 4224, 6326.

- Clayman,C.H. 2806.
 Clayton,D.A. 4471.
 Clayton,L.K. 4502.
 Clayton,R.M. 880, 936.
 Cleary,M.L. 7287.
 Cleary,M.P. 5174.
 Cleaver,J.E. 3147, 3676, 6286,
 6302, 7154, 7169, 7180.
 Cleaves,G.R. 5949.
 Cleffmann,G. 4418, 6859.
 Clegg,J.B. 1896.
 Clegg,M.S. 6245.
 Clemens,M.J. 932.
 Clementi,E. 4160.
 Clements,J.B. 5950.
 Clements,J.E. 509, 4392.
 Clerici,L. 130, 2372, 6453.
 Clerx,C.M. 3903.
 Cleuter,Y. 2550.
 Cleveland,D.W. 1463.
 Clewley,J.P. 4173, 5381, 6784.
 Clift,S.M. 2809.
 Cline,B.L. 699, 4630.
 Cline,M.G. 4801.
 Cline,S.J. 6590.
 Cline,S.W. 4312.
 Clingan,D. 6282.
 Clinton,G.M. 4212.
 Clivio,A. 4213.
 Clough,D.W. 715.
 Cobel-Geard,S.R. 3974.
 Cobo,L.M. 2908.
 Coca-Prados,M. 3292, 6808,
 7411.
 Cocco,L. 1765.
 Cochet,M. 1046, 3773, 4992,
 5608, 6235.
 Cocito,C. 203, 1069, 2955,
 2956, 5021, 7106.
 Cockburn,A.F. 3760.
 Cocucci,M. 1519.
 Coddington,A. 2427.
 Coen,D.M. 417, 2012, 3140.
 Coene,M. 1069, 7106.
 Coetzee,M.L. 3818, 3919.
 Coffin,J.M. 2458, 3350, 4375,
 6358.
 Coggins,L. 4388.
 Coggins,L.W. 2599, 7021,
 7026.
 Cognetti,G. 5199.
 Cohen,B.N. 1776.
 Cohen,G. 3090.
 Cohen,J. 6822.
 Cohen,J.A. 5286.
 Cohen,J.C. 3863, 4258, 4454.
 'Cohen,J.E. 4367.
 Cohen,J.L. 40.
 Cohen,J.S. 6619.
 Cohen,L. 5664.
 Cohen,L.H. 937.
 Cohen,L.K. 7325.
 Cohen,P.P. 6917.
 Cohen,P.S. 210, 4781.
 Cohen,S. 3202.
 Cohen,S.N. 982, 1694, 2603,
 3093, 3779, 3854, 5589,
 6182, 7251.
 Cohen,S.S. 687.
 Cohen,T. 6740.
 Cohen,Y. 3806.
 Cohn,M. 4086.
 Cohn,M.S. 283.
 Coia,A.A. 201, 206, 814, 1427,
 2418.
 Cojazzi,M. 4726.
 Colantuoni,V. 6658.
 Colbere-Garapin,F. 5073,
 7263.
 Colbert,D.A. 3560, 5520.
 Colby,C. 577.
 Colby,D. 2377.
 Colby,M.S. 6649.
 Colcher,D. 2551, 6089.
 Cole,B.C. 2628.
 Cole,C. 3752, 5506.
 Cole,R.D. 3948, 6487.
 Cole,R.S. 2109, 3669.
 Coleclough,C. 2599.
 Coleman,A.W. 7195.
 Coleman,J.E. 2230, 5624.
 Coleman,M.S. 1190.
 Coleman,P.F. 3038.
 Colinas, F. 3042.
 Collatz,E. 1439.
 Collett,M.S. 2004, 4373.
 Colletta,G. 6044.
 Collins,A.R.S. 5469, 6292.
 Collins,E.R. 7414.
 Collins,J. 475, 5083, 7237,
 7273.
 Collins,J.M. 265, 1640.
 Collins,P.L. 933.
 Collins,R.A. 6028.
 Collis,P.S. 2535.
 Colman,A. 4150, 6091, 6389.
 Colmerauer,M.E.M. 5179.
 Coloma,A. 5337.
 Colombero,D. 2863.
 Colombo,A. 4887.
 Colonna,R.J. 867, 1943, 1945.
 Colson,C. 4969.
 Colwell, R.E. 213.
 Colyer,S.P. 7448.
 Combard,A. 2500, 7328.
 Comi,P. 2436, 5929.
 Comings,D.E. 2850, 3791,
 3984, 6520, 7428.
 Commer,P. 5938.
 Commerford,S.L. 4046.
 Comolli,R. 4726.
 Concino,M. 6527.
 Conde,M.F. 7236.
 Conde,P. 5879.
 Condit,C. 6796.
 Conklin,K. 761.
 Connelly,K. 689.
 Conner,M.K. 1784.
 Connolly,G.R. 2542.
 Connor,W. 5216.
 Conover,W.W. 4569.
 Conrad,R.P.L. 86.
 Conrad,S.E. 3706, 7187.
 Conradt,P. 6890.
 Constantine,L.A. 6440.
 Constantinidou,H.A. 5176.
 Contente,S. 4456.
 Conti,M. 263.
 Contreras,R. 3752, 5817, 5989,
 7249, 7250.
 Convey,E.M. 3529.
 Cook,A.F. 1836.
 Cook,P.D. 3365.
 Cook,S.L. 6587.
 Cooke,H.J. 2867, 7097.
 Cooks,R.G. 6130.
 Cookson,S.L. 3057.
 Cooley,W. 1219.
 Coombes,E.J. 495.
 Coombs,D.H. 1796, 6533.
 Cooper,C.S. 3571, 7347.
 Cooper,D.L. 1987.
 Cooper,G.M. 1130, 1686,
 3106, 3865.
 Cooper,H.K. 2054, 2580, 4277.
 Cooper,H.L. 2429.
 Cooper,J.A. 5765, 6649, 6650,
 6703, 6769, 6909.
 Cooper,T.G. 1083.
 Cooperman,B.S. 2426, 5890,
 5891.
 Coote,J.L. 5530.
 Cope,F.W. 4919.
 Copeland,E.M. 430.
 Copeland,N.G. 3865.
 Copsey,D.B. 1414.
 Corbin,D.R. 6564.
 Corbo,L. 2028.
 Corchuello,M.-C. 1172, 4116.
 Cordeiro-Stone,M. 3975.
 Cordell,B. 172, 1396, 1471,
 5228.
 Cordes,E.H. 2212, 2323.
 Corff,S. 2097.
 Cornelis,G. 5592.
 Cornelis,J.J. 1659, 2717.
 Cornelis,P. 5330.
 Corneo,G. 658, 1597.
 Cornu, A. 324.
 Cornu,G. 7234.
 Cornudella,L. 7443.
 Cornuet,P. 3906.
 Corral,E. 1695.
 Corral,J. 3709.
 Correia,I.S. 5546, 7138.
 Cortas,J. 51.
 Corthead,J. 4882.
 Cortat,M. 2722.
 Cortese,R. 2940, 3218, 6156,
 6658.
 Coruzzi,G. 7278.
 Cory,H.T. 3377.
 Cory,J.G. 571, 1232.
 Cory,W.A. 5237.
 Cosgrove,W.B. 4348.
 Cosson,J. 3763.
 Cossu,G. 3261.
 Costantini,F.D. 1456, 1490.
 Costantini,M.G. 6027.
 Costantino,P. 4538.
 Coster,D.J. 2908.
 Cotton,F.A. 4605, 4604, 5259,
 5260, 7300.
 Coulondre,C. 650, 1023, 1024.
 Coulson,A.R. 2604, 2605.
 Coulson,P.B. 2552.
 Coulston,F. 6890.
 Counis,M.F. 4400.
 Coursaget,P. 1544.
 Courtney,M. 2560.
 Courtney,R.J. 2127.
 Courtois,G. 6172.
 Courtois,J. 4400.
 Cousins,R.J. 2540.
 Coutelle,Ch. 2027, 5937, 2560,
 5979.
 Cowan,N.J. 1463.
 Coward,J. 3524.
 Cowie,A. 3540, 3554*.
 Cowie,F.G. 5554.
 Cowles,J.R. 6088.
 Cowling,G.J. 2937.
 Cowling,P.C. 5756.
 Cowman,M.K. 1049.
 Cox,D. 3307.
 Cox,D.C. 2103.
 Cox,J. 5055.
 Cox,N.J. 1649, 7343.
 Cox,S. 5166, 6984, 7297.
 Cox,R.A. 7072.
 Cox,R.F. 403, 1705, 5407.
 Coykendall,A.L. 1034, 2645,
 7059.
 Cozens,P. 2469.
 Cozzarelli,N.R. 1223, 2280,
 3928, 6446.
 Cozzone,A.J. 4110.
 Crabeel,M. 7063, 7067.
 Craig,B.B. 3450.
 Craig,E.A. 893, 4303.
 Craig,J.W. 222.
 Craig,L.M. 6870.
 Craig,R. 6763.
 Craig,R.K. 3522.
 Craig,S.P. 4229, 6226.
 Crain,P.F. 5754.
 Craine,B.L. 3827.
 Craise,L. 7164.
 Cramer,F. 183, 776, 1873,
 3374, 4601, 6666, 6700.
 Cramp,W.A. 5013.
 Crane-Robinson,C. 1251,
 2237.
 Crane,F. 544.
 Crastes de Paulet,A. 5066.
 Crathorn,A.R. 7178.
 Craven,G.R. 797, 804, 2419,
 4725, 5875.
 Crawford,E.M. 1732.
 Crawford,J.T. 6947.
 Crawford,L.V. 5505.
 Crawford,R.J. 4993.
 Crea,R. 2355, 2357.
 Crechet,J.B. 2965, 6755.
 Creeger,E.S. 3852, 3853.
 Creighton,T.E. 6391.
 Crepin,M. 1848, 4553, 6003.
 Cress,D.E. 2738.
 Creutz,C.E. 244.
 Crews,S. 3788.
 Crichton,R.R. 1172, 1442.
 Crick,F.H.C. 5472, 7323.
 Crippa,M. 2954, 4044, 6872.
 Crivellaro,O. 4249.
 Crkovska,J. 455.
 Crkvenjakov,R. 1698, 6803.
 Croce,C.M. 2246, 4839, 6511,
 6887, 7449.
 Croes,A.F. 789.
 Croissant,O. 5105.
 Croizat,B. 4800, 6804.
 Crombie,I. 1071.
 Cronkite,E.P. 1639.

- Crooke,S.T. 5454, 6092, 6101, 6102.
 Cros,S. 6995.
 Crosa,J.H. 1120, 5507.
 Crossen,P.E. 6332.
 Crothers,D.M. 337, 1282, 1284, 1387, 3077, 4294, 4664, 6118.
 Crouch,R.J. 5115, 5611.
 Crouse,E.J. 7291.
 Crouse,G.F. 3004, 6142.
 Crow,W. 5152.
 Croy,R.G. 5456.
 Croy,R.R.D. 4739.
 Crumpton,W.M. 1927.
 Crystal,R.G. 5982.
 Cserjesi,P. 5418.
 Cuatrecasas,P. 3145.
 Cuchillo,C.M. 1707.
 Cudny,H. 781.
 Cuellar,R.E. 2598.
 Cuillel,M. 6534.
 Cullis,C.A. 3251.
 Cumakov,I.M. 3537.
 Cumming,R.B. 1085.
 Cummings,D.J. 6217, 6218.
 Cummings,I.W. 854, 3129.
 Cummings,M.R. 5761.
 Cundari,E. 4074.
 Cundliffe,E. 2994, 5897.
 Cunin,R. 7063, 7067.
 Cunningham,R.P. 4885.
 Cuny,G. 4999.
 Cuny,M. 5349.
 Cupello,A. 253, 6051.
 Cury,J.J. 5354.
 Curphey,T.J. 4902.
 Currie, L.M. 548.
 Curtis,P. 2560.
 Curtis,S. 7080.
 Cutilletta,A.F. 2195.
 Cutler,R.G. 910, 3775.
 Cyna,L. 3284.
 Cysyk,R.L. 958.
 Czarnyi,A.H. 5742.
 Czihak,G. 2338, 2339.
 Czymba,J.-C. 3056.
 D'Alessio,J.M. 525.
 D'Ancona,G.G. 6511.
 D'Andrea,A.D. 342.
 D'Agostino,A. 263, 1324, 3000.
 D'Agostino,F. 5824.
 D'Alessio,G. 6387.
 D'Alessio,J.M. 1729, 5628, 7355.
 D'Ambrosio,S.M. 6977, 7156.
 D'Ancona,G.G. 7449.
 D'Andrea,A.D. 346.
 D'Anna,J.A. 637.
 D'Arcy,J.B. 3083.
 D'Auriol,L. 6821.
 D'Avino,R. 4795.
 D'Eustachio,P. 6515.
 D'Halluin,J.C. 6414.
 Daban,J.R. 2837.
 Dabbs,E.R. 7065.
 Dabeva,M.D. 1975.
 Dabney,B.J. 795.
 Dacy,A.I.I. 775.
 Daddona,P.E. 562, 103.
 Daetwyler,H. 2084.
 Dahl,H.-H.M. 4093.
 Dahlberg, A.E. 490.
 Dahlberg,J.E. 490, 7116.
 Dahle,D. 7179.
 Dahle,D.B. 2118.
 Dahlig,E. 5278.
 Dahmus,M.E. 5629, 6081.
 Dahnke,H.G. 7207.
 Daillie,J. 1311, 3262.
 Dainat,J. 4689.
 Dale,J.L. 5365.
 Dales,S. 7356.
 Dalgleish,R. 2560.
 Dall,W. 3585.
 Dall'Acqua,F. 1561, 4890, 4891, 4892.
 Dalla Favera,R. 2436.
 Dallas,W.S. 1119.
 Dalon Brown,G. 1594.
 Dalpra,L. 6310.
 Daluge,S. 1826.
 Damaschun,G. 359, 2597, 3485.
 Damaschun,H. 359, 2597.
 Dambough,T. 3733.
 Danagulyan,G.G. 6571.
 Danalache-Dumitrescu,M. 2099.
 Danbara,H. 4932.
 Dancer,B.N. 5822.
 Danchin,A. 1540, 1880, 6853.
 Daneholt,B. 2087.
 Danenberg,K.D. 2220.
 Danenberg,P.V. 2220, 3931.
 Dang,C.V. 5843.
 Daniel,F.B. 2285, 2887, 6977, 7156.
 Daniel,M.D. 1679.
 Daniel,V. 1461.
 Daniels-McQueen,S. 315.
 Daniels,G.R. 2846.
 Danielsson,D. 3841.
 Danilenko,N.K. 5108.
 Danilevskaia,O.N. 6836.
 Danilova,L.V. 2019.
 Danyi,O. 6018.
 Darai,G. 6183.
 Darbyshire,J. 4676.
 Darling,T.L. 4514.
 Darlix,J.-L. 3544, 2459, 3746, 5933.
 Darnell,J.E.,Jr. 918, 1935, 4211, 4319, 4805, 2484, 3623, 5527, 5697, 5931, 5992, 6002.
 Darwish,D.H. 2106.
 Darzynkiewicz,E. 5758.
 Darzynkiewicz,Z. 3189.
 Das,A. 1177, 1923.
 Das,G.C. 7430.
 Das,H.K. 5698.
 Das,J. 2701, 3148.
 Das,P.K. 5028.
 Das,R.M. 5017.
 Das,S. 1129.
 Das,S.K. 3912.
 Dasgupta,A. 145, 1923, 7359.
 Dasgupta,B. 1642.
 DasGupta,C. 4885.
 Dash,N. 2236.
 Dashevsky,V.G. 977.
 Dashkevich,V.S. 621, 2591.
 Dass,C.M.S. 4043.
 Datta,A.R. 4457.
 Datta,N. 1060, 6145.
 Datta,P. 3184.
 Datta,S. 5041.
 Dattagupta,N. 6244, 337, 1282, 1284, 2579, 3077, 4317, 6118.
 Daubert,S.D. 4564.
 Dauca,M. 2687.
 Dauchiu,A. 5696.
 Daune,M. 4577, 7430.
 Daune,M.P. 580, 3696.
 Dauphin,B. 3376.
 Dausman,J. 5232.
 Davanloo,P. 4664, 4680, 6666.
 Dave,C. 2892.
 Dave,I.C. 4824.
 Davenport,L.W. 1492.
 David,J.C. 1224, 5645, 6447.
 Davide,J.P. 5366, 5971.
 Davidson,E.H. 2085, 304, 1456, 1490, 2658, 2659, 5394, 5976, 6846.
 Davidson,J.P. 6856.
 Davidson,M.W. 969, 4282.
 Davidson,N. 835, 1299, 1613, 2070, 2875, 4365, 5373, 6132, 7472.
 Davidson,R.L. 3036, 4049, 7095.
 Davie,J.R. 1246.
 Davies,D.B. 6614.
 Davies,D.J.G. 1077.
 Davies,D.L. 6334.
 Davies,H.A. 2831.
 Davies,H.V. 6891.
 Davies,J. 1434, 7274.
 Davies,J.E. 246, 3501.
 Davies,J.W. 3267, 3342, 6912.
 Davies,P.J. 1657.
 Davies,P.L. 4926, 5519.
 Davies,R.W. 378.
 Davila,C.A. 371.
 Davis,A.R. 6782.
 Davis,B.D. 2957.
 Davis,B.K. 5566.
 Davis,C.E. 1112.
 Davis,F.M. 6256.
 Davis,J.S. 1682.
 Davis,M.M. 4365.
 Davis,N.L. 4253.
 Davis,P. 2146, 4296.
 Davis,R.W. 1031, 1043, 1138, 1139, 3662, 3877, 4465, 4984, 6369.
 Davis,W.B. 3410.
 Davis,W.C. 2096.
 Davison,A.J. 1007.
 Davison,J. 6163.
 Davison,P.M. 3351.
 Davitaskvili,A.N. 3490.
 Davnichenko,L.S. 7140.
 Dawes,K.P. 3743.
 Dawid,I.B. 401, 3769, 3770, 4361, 5004, 5113, 6546.
 Dawkins,R.L. 1754.
 Dawson,A.L. 1209.
 Dawson,J.R.O. 2527.
 Dawson,W.O. 871, 1964, 4198, 4492.
 Day,P.R. 5248.
 Day,R.S.,III. 441, 6314.
 de Asua,L.J. 6282.
 De Bartolomeo,A. 2638.
 De Bernadinis,G. 4623.
 de Bethune,M.P. 2955.
 De Beuckeleer,M. 5714.
 De Block,M. 5714.
 de Boer,E. 1628, 6247.
 de Boer,H.A. 5991, 6206, 6208.
 de Boer,J. 718.
 de Castro,B. 2327.
 De Clercq,E. 107, 547, 703, 1868, 2281, 2369, 2881, 4071, 6600.
 de Crombrughe,B. 899, 2745, 5599, 5977, 6918.
 de Fazio,G. 2697.
 de Gast,C.G. 5164.
 de Graaf,F.K. 3874.
 De Graaff,J. 4963.
 de Graaff,R.A.G. 97.
 de Groot,B. 1653.
 De Groot,N. 2428.
 de Haro,C. 4748, 4750.
 De Herdt,E. 3940, 7462.
 De Hey,J.T. 816.
 de Jonge,J.C. 755, 4981.
 de Jonge,P. 4180.
 De La Maza,L.M. 3527, 3724.
 De La Torre,C. 6046, 3042, 4906.
 De Leo,G. 5059.
 De Leo,P. 2433.
 De Ley,J. 4786, 5009.
 de Lima,M.J.P. 2558.
 De Los Angeles Bello,M. 3787.
 De Lucchini,S. 3980.
 de Marcellac,G.D. 4699.
 De Marco,C. 4733.
 De Marco,F. 6686.
 de Marcucci,O. 905.
 de Murcia,G. 3696, 7430.
 De Nayer,P. 904.
 De Nicola,A.F. 2126.
 De Paermentier,F. 6021.
 de Pomerai,D.I. 880, 936.
 de Recondo,A.-M. 5156.
 De Ritis,F. 6686.
 De Roberts,E.M. 4831.
 de Rooij,J.F.M. 130, 133, 2372, 4661.
 de Ruiter,N. 3180.
 De Santis,P. 4538.
 De Soet,J.J. 4963.
 De Somer,P. 6600.
 de Toledo,S.M. 3642.
 de Turenne,M. 3263.
 De Vas,D. 5732.
 de Vellis,J.S. 2474.
 de Vos,W.M. 409.
 de Vries,H. 755, 4981.
 De Vries,J. 7111.
 De Vries,J.M.L. 789.
 de Vries,O.M.H. 7077.
 De Waard,A. 6398, 5618, 6171.

- De Wachter, R. 3381.
De Wilde, M. 5714.
De Wolf, W.E., Jr. 5781.
De Wyngaert, M.A. 3926.
De, N.C. 1845.
Dea, P. 2306.
Deacon, N.J. 4157.
Deak, F. 777.
Dean, D.H. 989.
Dean, R.G. 3775, 5412.
Deans, R.J. 6157.
Deaven, L.L. 637.
Debabov, D.G. 7396.
Debabov, V.G. 325, 1121, 5108.
Debenham, P. 7331.
Debov, S.S. 394, 2814, 3277, 5120, 5121, 5136, 5169.
DeCaleya, R. 5866.
DeCarvalho, S. 309.
Deckers-Schmelzle, B. 1563, 5462.
Deddish, P.A. 4975, 7226.
Deegan, M.J. 579.
Deeley, R.G. 1556, 7280.
Deen, L.T. 7070.
Deering, R.A. 5550, 5551.
Defais, M. 5719.
Defendi, V. 6278.
Defer, M. 4553.
Defer, N. 1283, 4917, 6482.
Degelmann, A. 4988.
Degener, A.M. 6895.
Degraeve, N. 3352.
Degtyareva, I.N. 1711.
DeHaseh, P.L. 3340.
Deiningner, P.L. 331, 3780.
Deitch, A.D. 4038.
Deiters, J.A. 3221.
Dekhtjarenko, T.D. 953.
Del Giudice, L. 2655, 5515.
Del Prete, G. 6327.
Del'vige, A.A. 2213.
Delabar, J.-M. 22, 6592.
Delageneau, J.F. 861.
Delaney, A.D. 2937, 5227.
DeLap, R.J. 412, 2664.
Delasnerie, N. 2229.
Delbecchi, L. 5540.
Delbos, R. 4144.
Delcroix, C. 3694.
Delisi, C. 143.
Delius, H. 2616, 5448.
Dell'Acqua, F. 340.
Dell'Aquila, A. 2433.
Dell'orco, R.T. 2119.
Della Valle, G. 7118.
DeLong, D.C. 4023.
DeLorbe, W. 7352.
DeLorbe, W.J. 6410.
Deloria, L.B. 743.
Delseny, M. 2882, 5196.
Delville, A. 6622.
Demain, A.L. 4270.
DeMarchi, J.M. 1594.
Dembroske, S.E. 1093.
Demidenko, O. 2839.
Demidkina, N.P. 1675.
Dempsey, W.B. 3856.
Demuyneck, C. 25.
Demyanova, N.G. 6346.
Den Engelse, L. 3681.
Denarie, J. 7243.
Denaro, M. 1922.
Denes, G. 777.
Deng, C.-T. 856.
Deng, P.-N. 5847.
Denhardt, D.T. 1632, 5633.
Denis, H. 3125.
Denisenko, O.Yu. 5298.
Denisova, L.Ya. 6847.
Denloye, A.O. 874.
Dennebouy, N. 5514.
Dennhoger, L. 1275.
Dennin, R.H. 6250.
Dennis, W.H., Jr. 684.
Dennis, J. 4154.
Dennis, P.P. 3022, 3498, 3612, 4973, 7238.
Dennis, W.H., Jr. 5300.
Denny, W.A. 1579.
Denoya, C.D. 845.
Denslow, N.D. 4737.
Deonier, R.C. 6087.
DePamphilis, M.L. 538, 2678, 3332.
Depiante-Depaoli, M. 1240.
Depicker, A. 2749, 5714, 7029.
Deprez-De Campeneere, D. 6552, 7227.
DeQuoy, P.R. 2708.
Derenzini, M. 5899.
Derge, J.G. 1114.
deRiel, J.K. 1700, 5531.
Dervan, P.B. 1576.
Desager, J.P. 1713.
Desai, S.M. 954.
Desaive, C. 1683.
Descamps, J. 107, 703, 6600.
Desgranges, C. 6421.
Deshpande, A.K. 306.
Desoize, B. 5068, 7217.
Desrosiers, R.C. 2520, 5957, 7112.
Dessen, P. 2942, 6117.
Detellier, C. 6622.
Dethmers, J.K. 2321.
Detke, S. 1187, 2201, 6418.
Deumling, B. 1280.
Deutsch, A. 4153.
Deutsch, W.A. 3337.
Deutscher, M.P. 140, 494, 782, 4700, 5844.
Dev, V.G. 1505, 6887.
Devare, S.G. 3748.
Dever, J. 6922.
Devlin, R.B. 6029.
Devlin, T.M. 4097, 5900.
Devoret, R. 5699.
Devos, R. 7249, 7250.
Dewey, V.C. 3072, 2316, 2333.
DeWilde, M. 246.
Dhar, R. 863, 3727, 7046.
Dharmalingam, K. 7259, 7260.
Dhingra, M.M. 115, 738.
di Bernardo, M.G. 1044.
Di Giambattista, M. 2956.
Di Girolamo, M. 4733.
Di Lauro, R. 1029, 5100.
Di Liegro, I. 5199.
Di Marco, A. 4887.
di Mauro, E. 1257.
di Mayorca, G. 3729.
Di Nocera, P.P. 1029, 5100.
Di Pasquale, G. 4753.
Di Segni, G. 5919.
Diamantstein, T. 4673.
Diamond, L. 2053.
Diana, S. 7361.
Dianov, G.L. 740, 3434, 6094.
Diatloff, C. 458, 1674, 5767.
Diaz de Leon, L. 2008.
Diaz-Chico, B.N. 3589.
Diaz-Diaz, M.E. 3589.
Diaz, R. 3875.
DiCioccio, R.A. 1202, 4505.
Dicker, P. 1926, 7126.
Dickerman, H.W. 2270, 5682, 5947, 6646.
Dickerson, P.E. 2527.
Dickerson, R.E. 1170, 4064.
Dickinson, D.G. 2086.
Dickson, C. 4093.
Dickson, E. 2984.
Dickson, R.C. 1696.
Dieden, J.D. 5230.
Diener, T.O. 1481.
Dierks-Ventling, C. 272.
Diessner, H. 3673.
Dieterich, A.E. 5667.
Dietrich, A. 4699.
Diez-Caballero, T. 2245.
Diezel, W. 6459.
Digenis, G.A. 3417, 4031.
Diggelmann, H. 4754.
Dignam, J.D. 5844.
Dijk, J. 5873, 5874, 5889, 6711.
Dijkstra, J. 2416.
Dijkstra, P.A. 1851, 3295.
DiLauro, M.N. 3454.
DiLauro, R. 2745, 5599.
Dillmann, W.H. 4794.
Dimattina, M. 441.
DiMenna, W.S. 19.
Diment, A.V. 463.
Dimitriadis, G.J. 2537, 6335.
Dimitrijevic, S.D. 4627.
Dimitrov, D.H. 4949, 6174.
Dimmock, N.J. 1927, 5313.
Dimock, K. 6043.
Dina, D. 7115.
Dingwall, C. 5848, 5851, 5856, 6698.
DiPaolo, J.A. 2051.
DiPietro, D. 1398.
Dipple, A. 2581, 2714, 6108.
DiPrisco, G. 4795.
Dirckze, C.D. 7148.
Dirheimer, G. 755, 769, 783, 1876, 1887, 2379, 2382, 2935, 3458, 4893.
Dishler, A. 1506, 1507.
Dishler, A.V. 4188.
DiSorbo, D.M. 654.
Dittmar, K.E.J. 5369.
Dittmar, W. 1360.
Dityatkin, S.Y. 4444.
Divilliers, G. 6464.
Dixon, G.H. 1783, 3306, 3635, 3946, 4246, 4926, 5216, 5220, 5225, 5519, 6076, 6916.
Dixon, H.B.F. 779.
Dixon, R. 5103.
Dizdaroglu, M. 1143, 5791.
Djaldeti, M. 1984.
Dmitrieva, E.S. 5762.
Dmitrieva, E.Y. 3764.
Dmitrieva, T.M. 3907.
Dobberstein, B. 5430.
Dobkin, C. 1498, 5401.
Dobner, P.R. 5931.
Dobos, P. 6822.
Dobrov, E.N. 6725.
Dobrynin, V.N. 2360, 5317.
Dobrynin, Y.V. 2330.
Dobrzanski, W.T. 1680.
Dobson, C.M. 110.
Docherty, J.J. 1072.
Dock, L. 4897.
Doctor, V.M. 1553.
Dodgen, H.W. 119.
Dodgson, J.B. 1622, 5228.
Dodgson, K.S. 5063.
Dodin, G. 5722.
Doehmer, J. 5232.
Doel, T.R. 1474.
Doenecke, D. 3316, 6488.
Doerder, F.P. 2553, 5016.
Doerfler, W. 1127, 4236, 4451, 6269, 6382.
Doerjic, G. 3673.
Doheim, M. 1057.
Doherty, J.B. 1152.
Dohme, F. 6744.
Dohmer, J. 4468.
Dohner, D. 3545.
Doi, R.H. 2196, 7339.
Doi, T. 3440.
Doine, A.I. 4424.
Doira, H. 6898.
Dokas, L.A. 1520.
Dokhiem, M. 414.
Dokshina, G.A. 6839.
Dolan, A. 6793.
Dolberg, D. 3520.
Dolby, T.W. 2542, 5664, 7449.
Dolecki, G.J. 6325.
Dolei, A. 3563.
Dolejs, I. 6305.
Dolganov, G.M. 6365.
Dolja, V.V. 2481, 5383.
Dolnick, B.J. 575.
Domanskij, N.N. 1766.
Dombroske, S.E. 431.
Domdey, H. 5382, 5939.
Domogatsky, S.P. 1426, 2969.
Donahue, T.F. 5735.
Donaldson, D. 6876.
Dondon, J. 824.
Donelson, J.E. 2211, 2662, 3713, 3849, 6426.
Donis-Keller, H. 2990.
Donofrio, J.C. 5019.
Donoghue, D.J. 857, 3855, 5960.
Dons, J.J.M. 7077.
Dooley, D.C. 5071.
Doollittle, W.F. 3700.
Dorberger, G. 3528.
Dore, E. 6136.
Dorfman, A. 447.
Dorizzi, M. 6423.
Dorland, L. 1154.
Dormer, P. 5064.
Dornberger, G. 3629, 5379.

- Dornhelm, P. 4118.
Dorokhov, Y.L. 4724.
Dorries, K. 3053.
Dorsch, C.A. 3799.
Dorsett, P.H. 7465.
Dosch, H. M. 7385, 4642.
Dose, K. 2922.
Dosekocil, J. 3668, 3781.
Dosmar, M. 1643.
Dostal, J. 2770, 5614.
Doster, W. 6742.
Dottavio-Martin, D. 6729.
Dotto, G.P. 2420.
Doty, P. 1698, 3004.
Doubleday, O.P. 7390.
Doudney, C.O. 3150.
Doudov, K.P. 1975.
Dougherty, T.J. 4460.
Douglass, J. 5911.
Douthart, R.J. 1539.
Doulhit, H.A. 2404.
Douthwaite, S. 5387, 5969.
Douvas, A.S. 2170, 5192.
Douzou, P. 3270, 4742.
Dover, G. 948.
Dover, G.A. 6238.
Dowben, R.M. 192.
Dower, W.J. 6449.
Downes, C.S. 5469.
Downey, K.M. 5635.
Downing, R.G. 5488.
Doyle, R.J. 7454.
Doz, B. 4144, 4854.
Drabkin, H.J. 764.
Dragan, A.J. 2842.
Drahovsky, D. 6461, 7101.
Draper, D.E. 1290, 1291, 4104, 4266.
Drapier, J. C. 4313.
Drasar, P. 85.
Drasner, K. 5061.
Dray, S. 2538, 4846, 5700.
Dreiseikelmann, B. 7393.
Dreizin, R.S. 6174.
Drescher, B. 7380.
Dressler, D. 481, 4439.
Drew, H.R. 4064.
Dreyer, C. 529.
Dreyfus, M. 5722.
Drezner, M.K. 6033.
Driesel, A.J. 7291.
Driessen, O. 5732.
Drillien, R. 2398.
Driscoll, C. 3960.
Drobyshev, V.I. 5405.
Drobysheva, N.A. 5405.
Drocoourt, J.L. 6694.
Droese, M. 6463.
Drohan, W. 2551, 6086, 6089, 7092.
Drouet, A.G. 5884.
Drozhennikov, V.A. 5135.
Drucker, J. 1544.
Drugeon, G. 390.
Drummond, M.H. 1787, 3207, 3094, 5097.
Drygin, Yu.F. 7470.
Dryhurst, G. 41, 4619.
Dryll, A. 3284.
Drynov, I.D. 2761, 5442, 5951.
Dubas, T.C. 7205.
Dube, D.K. 3915, 4500, 4504, 5155.
Dubes, G.R. 2526.
Dubichev, A.G. 4949.
Dubin, D.T. 252, 1492, 5949.
Dubin, M.A. 6105.
Dubiski, S. 1671.
Dubitchev, A.G. 6174.
Dubnau, D. 3175, 4456.
Dubois, J.E. 5722.
Dubois, M.F. 2541.
Dubois, R.E. 1361.
Dubos, C. 7163.
Ducolomb, R. 6593.
Duda, C.T. 3259.
Dudareva, N.A. 2591.
Dudkin, S.M. 4473, 4474, 4481, 5127, 7306.
Dudley, J.P. 2435, 2755, 6829.
Dudnik, Yu. V. 4339.
Dudnikova, G.N. 3622.
Dudock, B. 2384.
Dudov, K.P. 4216.
Dudycz, L. 4652.
Duerbeck, N.B. 6880.
Duesberg, P.H. 4142, 3630, 4163, 4777, 5962.
Duester, G.L. 525, 1729, 6785.
Duff, P.M. 4426.
Duffus, J.E. 5967.
Duffy, J.J. 3899.
Dufrain, R.J. 7448.
Dugaiczak, A. 483, 402, 3772, 4362, 4467, 5519, 5520.
Duggleby, C.J. 5488.
Duhl, D.M. 4097.
Dujardin, G. 5513.
Dulbecco, R. 3744.
Dulce, H.-J. 5202.
Dumas, L.B. 3661, 3793, 3801, 7107.
Duncan, B.K. 4397, 7384.
Duncan, C.H. 479, 1690, 3238.
Duncan, C.L. 983.
Duncan, D.B. 4215.
Duncan, G.S. 1847, 4640.
Duncan, M.R. 2103.
Duncan, S.J. 6962.
Dunez, J. 4144, 4854.
Dunker, R. 1588.
Dunlap, R.B. 1238, 3280.
Dunn, A.R. 660, 1934, 4776.
Dunn, G. 2720.
Dunn, J. 4169.
Dunn, J.J. 1475, 4859.
Dunn, J.M. 6730, 6731.
Dunn, J.R., II 6283.
Dunn, R. 747, 5227.
Dunn, R.J. 1619, 2937.
Dunn, W.C. 1090, 6605.
Duplan, J.F. 2626.
Dupont, M. 3839.
Dupuy, J.-M. 5556.
Dupuy-Blanc, J. 5056.
Durand, B. 3376, 6575.
Durand, R. 6575.
Durand, R.E. 6298.
Durham, J.P. 548.
Durrand, A.M. 1066, 6223.
Durstun, A.J. 2682.
Durwald, H. 5675.
Durzan, D.J. 3297.
Dusek, Z. 2971, 4128, 4140, 6691.
Dutchak, D. 4209.
Dutko, F.J. 6272.
Dutrillaux, B. 7163.
Dutta, S.K. 2166.
Dutta, S.P. 66, 3364.
Duval, J.F. 2571, 6116.
Duwe, A.K. 3837.
Duyckaerts, C. 6627.
Duyvesteyn, M. 5618.
Dvorkin, V.M. 1099.
Dworniczak, B. 4108.
Dyad'kova, A.M. 6943.
Dyatkina, N.B. 4029.
Dym, H.P. 5928.
Dymshits, G.M. 2147.
Earl, R.A. 2913.
Early, P.W. 4365.
East, D.N. 4676.
East, J.L. 2974.
Eastman, A. 3670, 4401, 6981.
Easton, A.M. 4307.
Ebbesen, P. 2736.
Ebbesen, T. 5724.
Ebel, J.P. 2412, 2465.
Eberhardt, J. 1633.
Echols, H. 3603, 6818.
Echols, M.M. 4809.
Eckel, R. 1997.
Eckenrode, V.K. 7080.
Eckert, W.A. 6540.
Eckhardt, R.A. 4991.
Eckhardt, T. 2016.
Eckhart, W. 2396.
Eckstein, F. 132, 720, 1226, 1823, 2928, 4518, 4663, 7369.
Eddleston, A.L.W.F. 7361.
Edelbluth, C. 1303.
Edelman, G.M. 4371.
Edelman, I. 4306.
Edelson, E.H. 2909.
Eden, F.C. 1623.
Edenbergh, H.J. 538.
Edens, L. 2073.
Eder, G. 7433.
Edgar, A.R. 5750.
Edgell, M.H. 744, 4998, 7083.
Edlin, G.J. 7258.
Edlund, T. 7064.
Edmonds Smith, M. 1438.
Edmonds, M. 885, 3633, 5389.
Edmondson, S.P. 4925.
Edo, K. 677.
Edwards, D.I. 4284.
Edwards, I. 2698.
Edwards, N.L. 551, 5284, 7385.
Eells, J.T. 6965.
Efimov, V.A. 3482, 2356, 3424, 5820.
Efstratiadis, A. 480, 1700, 2562, 6936.
Egami, N. 535.
Egan, J. 1020, 4968.
Egan, J.B. 4940, 4942, 6150.
Egan, M. 6108.
Egberts, D.J.N. 6263.
Eger, E.I.II, 7453.
Egert, E. 1359, 2914, 3395, 5759.
Egg, A.H. 3444.
Eggerding, F. 3019.
Egley, J.M. 2927.
Egorov, A.A. 2653.
Egorov, I.A. 3070, 4423.
Egorov, N.S. 1609.
Egorova, L.A. 5327.
Egrie, J.C. 3908.
Egtvedt, I. 1343.
Eguchi, K. 1408, 2933.
Egyhazi, E. 4763.
Ehnesmann, C. 2465.
Ehrenberg, A. 1235, 2055, 4909.
Ehrenfeld, E. 822, 4132, 4152, 5361, 6007, 6062.
Ehresmann, B. 2465.
Ehresmann, D.W. 5934.
Ehrlich, R. 2826, 6712.
Ehrlich, S.D. 4443, 5077.
Ehrnst, A. 3183.
Ehrsson, H. 7232, 7233.
Eichenlaub, R. 5010, 5567, 7393.
Eichhorn, G.L. 6958.
Eickbush, T.H. 3298.
Eicken, I. 3314.
Eideniff, M.L. 3911.
Eiferman, R.A. 2695.
Eigeby, S.A. 1663, 1665.
Eilat, D. 2223.
Eilen, E. 2260.
Eipel, H.E. 1064.
Eisen, H. 7441.
Eisenberg, H. 984.
Eisenberg, S. 6381.
Eisenberg, S.P. 4966, 6665.
Eisenberger, P. 2565.
Eisenman, R. 4239.
Eisenstark, A. 5289, 7466.
Eissa, A.I. 3155.
Ejiri, S. 218, 219.
Ekert, B. 1082, 1564, 6536.
Ekiel, I. 5758.
Ekimova, L.P. 1570.
Eksborg, S. 7232, 7233.
Ekstrom, R. 839.
El Said, L.H. 6784.
El-Gewely, M.R. 7079.
El-Hawary, M.F. 2721.
El-Mahdi, M.A. 5053.
El-Sohl, N. 2068.
Elad, D. 4522.
Elav, N.R. 2517.
Elava, N.L. 456, 5573.
Elahi, E. 2375, 6926.
Elce, J.S. 4678, 4740.
Elder, K.T. 2378.
Elder, P.K. 3514.
Eldridge, J.D. 7357.
Elequin, F. 7173.
Elgavish, G.A. 6619.
Elgin, S.C.R. 1256, 2866, 5221, 5222.
Elias, P. 217, 5832, 5833.
Eliasson, R. 895, 1226, 6024.
Eliceiri, G.L. 6022.
Elion, G.B. 1847, 3922, 4644.

- Elizarov, S.M. 644, 3335, 5236.
 Elkina, N.I. 536.
 Elkind, M.M. 352, 353.
 Elleman, T.C. 923.
 Ellerton, N.F. 2048.
 Elli, R. 1162.
 Ellims, P.H. 560.
 Elliott, S.G. 1065, 3467, 4217.
 Elliott, W.H. 1966.
 Ellis, C. 3920.
 Ellis, M. 7432.
 Ellis, P.D. 1238.
 Ellis, S. 7060.
 Elmerich, C. 2162.
 Elsevier, S.M. 3116.
 Elseviers, D. 2515.
 Elshourbagy, N.A. 2781, 3894, 4487.
 Elska, A.V. 5333.
 Elson, D. 802, 2407, 4714.
 Elwell, L. 2868.
 Emanoil Ravicovich, R. 6821.
 Embury, S. 6041.
 Emelianov, V.V. 2397.
 Emeny, J.M. 5316.
 Emerson, C.P., Jr. 6029.
 Emerson, S.U. 527, 1478.
 Emigholz, K. 5085.
 Emin, M. 1671.
 Emmelot, P. 5466.
 Emmersen, J. 6280.
 Emmons, S.W. 4986.
 Emtage, J.S. 4374.
 Endlich, B. 6395.
 Endo, H. 3677.
 Endo, Y. 2545, 6053.
 Engel, J.D. 835, 1622, 5228.
 Engel, W. 3771.
 Engelbrecht, C. 2341.
 Engelhardt, D.L. 175, 2010, 4679, 6059.
 Engelhardt, M.L. 3083.
 Engels, J. 122, 4051.
 Enger, M.D. 3459, 3576, 5845.
 England, T.E. 1382, 3929.
 Engler, G. 5714.
 Englund, P.T. 6213, 7367, 7368.
 Engstrom, D. 4477.
 Ennis, H.L. 1503, 3616, 4781.
 Enomoto, T. 1736, 2271.
 Enquist, L.W. 7255, 4447, 5092.
 Ensinger, M.J. 296.
 Entner, N. 6745.
 Entwistle, D. 4020.
 Entwistle, D.W. 4613.
 Eposito, J.J. 1014.
 Epp, O. 6711.
 Eppenberger, H.M. 227.
 Epplen, J.T. 3771.
 Eppstein, D.A. 1541.
 Epstein, C.J. 5061.
 Epstein, H.F. 2083.
 Epstein, I.R. 2931, 7000.
 Epstein, L.B. 5061.
 Epstein, R.H. 3018, 3534.
 Epstein, S.S. 3161.
 Erard, M. 7430.
 Erdelsky, K.J. 1900.
 Erdmann, V.A. 4003.
 Erele, V. 2480.
 Eremenko, T. 3135, 6267.
 Erenpreis, Y.G. 5250.
 Erenpreis, E.A. 5250.
 Erenpreis, J.G. 4255.
 Erickson, J.M. 5932.
 Erickson, J.W. 1301.
 Erickson, L.C. 350, 3068.
 Erikson, E. 2004, 2156.
 Erikson, R.L. 2004, 2156.
 Eriksson, B. 1515.
 Eriksson, H. 3192.
 Eriksson, S. 7397.
 Erlanger, B.F. 1751, 5177.
 Erlich, H.A. 1694.
 Ermakov, A.I. 675.
 Ermenkov, K.I. 5406.
 Ermiil'chenko, G.V. 5069.
 Ermine, A. 1982.
 Ermolin, S.V. 35, 2344.
 Erni, B. 4752.
 Ernst, P. 1639.
 Ernst, S.G. 5394, 5976, 6837.
 Ernst, V. 829, 4749.
 Erokhina, A. 604.
 Ershov, F.I. 940, 4849, 4851.
 Escarmis, C. 2450.
 Esch, F.S. 1214.
 Esche, H. 4236.
 Escolar, D. 4022.
 Esipova, N.G. 977.
 Eskin, B. 934, 1921, 6674.
 Esmann, V. 6608.
 Esnault, R. 2979.
 Espinosa, M. 1133.
 Essad, S. 324.
 Essex, M. 4533.
 Essigmann, J.M. 3680, 4270, 5456.
 Estrada-Parra, S. 4524.
 Esty, A. 387.
 Etaix, E. 112.
 Eto, M. 6884.
 Eto, Y. 2177.
 Ettinger, N. 4525.
 Eurich, R. 1549.
 Eustice, D. 5057.
 Evangelisti, R. 1891.
 Evans, C.A., Jr. 6556.
 Evans, C.H. 6042.
 Evans, E.P. 5000.
 Evans, G.A. 6925.
 Evans, H.H. 6624.
 Evans, H.J. 7002.
 Evans, I.M. 4739.
 Evans, J.A. 782.
 Evans, L.H. 5962.
 Evans, R. 4805, 5527, 5931.
 Evans, R.M. 2452.
 Evans, T.E. 6624.
 Evdokimov, Yu.M. 4161, 4884, 6099, 7009.
 Evenson, D. 3189.
 Evers, R.F. 950.
 Evseeva, N.K. 3287.
 Evstigneeva, N.A. 4056.
 Evtushenko, V.I. 3002.
 Ewig, R.A.G. 349, 1571, 3672, 6542.
 Eylan, E. 5641.
 Eyring, H. 3431.
 Ezhov, V.A. 303, 3881.
 Fabisch, P. 386, 6185.
 Fabry, M. 1933, 5371.
 Facchinetti, T. 3234.
 Factor, V.M. 448.
 Fadeeva, N.I. 1711.
 Faelen, M. 1693.
 Fagan, J.B. 6918.
 Fagard, R. 3469.
 Fagraeus, A. 3183.
 Fahey, J.L. 3174.
 Fahl, W.E. 5461.
 Fahmy, L.H. 814.
 Fahmy, M.J. 2045.
 Fahmy, O.G. 2045.
 Fahnestock, S.R. 1900, 6744.
 Fainboim, L. 4527.
 Fairfield, S.J. 4251.
 Falaschi, A. 4027, 6310.
 Falchuk, K.H. 1489, 1992.
 Falco, S.C. 6412, 6413.
 Falcoff, E. 3882.
 Falcoff, R. 3882.
 Falcon, M.G. 2908.
 Faljoni, A. 879.
 Falk, A. 4695.
 Falk, B.W. 5967.
 Falk, L. 3732, 7051.
 Falk, L.A. 1679.
 Falke, D. 4647, 5541, 6607, 7113.
 Falke, E.V. 1970.
 Falkow, S. 1119, 1120, 2868, 6145.
 Fallor, D.V. 1940.
 Fallon, A.M. 6363, 6727.
 Falvello, L. 151, 1381.
 Fam Hi Dung 6456.
 Familletti, P. 4857.
 Fan, H. 1981, 2740, 3520, 6186.
 Fandakoa, J. 5142.
 Fangman, W.L. 5512.
 Fanning, E. 1127, 7412.
 Fanshier, L. 1593.
 Fanta, D. 4405.
 Fantes, K.H. 6388.
 Fantoni, A. 408, 882, 888, 3563, 7284.
 Farabaugh, P.J. 1022, 1023, 1024, 4344.
 Farace, M.G. 882, 888, 3563, 7284.
 Faras, A.J. 2806, 3542, 4373, 5983.
 Farber, E. 6296.
 Fareed, G.C. 6204, 3866.
 Farguhar, M.N. 945.
 Farkas, G.L. 298, 4724, 7311.
 Farkas, J. 92.
 Farkas, V. 4218.
 Farkas, W.R. 2944, 5132, 6684.
 Farland, W.H. 722, 6116.
 Farmer, S.R. 1533, 3050.
 Farquhar, D. 3400.
 Farquhar, M.N. 2046.
 Farr, J.A. 2711.
 Farrell, D. 4507.
 Farrell, K. 3220.
 Farrell, L.D. 6965.
 Farrell, P.J. 833, 2541, 6927.
 Farron-Furstenthal, F. 1260.
 Farsund, T. 2726.
 Farzaneh, F. 1389.
 Fasano, O. 2965.
 Fasiolo, F. 1413.
 Fasman, G.D. 1049, 3319, 6096, 6480.
 Fasy, T.M. 1801, 5470, 5522.
 Faulds, D.H. 3099.
 Faulhammer, H.G. 2430.
 Faulk, W.P. 7166.
 Faulkner, L.S. 4097, 5900.
 Faust, C.H., Jr. 4799.
 Faust, R.M. 7241.
 Fausto, N. 3560, 4222, 4708.
 Favatier, F. 4917.
 Favorova, O.O. 2374, 4696, 5854, 6695.
 Favre, A. 752, 5853.
 Fayat, G. 5852.
 Faye, G. 5514.
 Fayolle, F. 6348.
 Fazakerley, G.V. 5301.
 Fedchenko, V.I. 6525.
 Fedele, L. 4207.
 Federman, P. 3228.
 Federov, N.A. 5069, 5468.
 Fedina, A.B. 607.
 Fedorchenko, V.V. 3634.
 Fedorenko, V.A. 5108.
 Fedoroff, N.V. 4466, 4578.
 Fedorova, I.V. 2111.
 Fedoseeva, G.E. 3320.
 Fedoseeva, V.B. 6836.
 Fedotov, A.R. 5484.
 Feeley, J.C. 2646.
 Fehr, S. 5893.
 Feierabend, J. 718.
 Feiglson, P. 793, 1893, 1895, 4006, 6015.
 Feigon, J. 5217.
 Feinberg, A.M. 674.
 Feinendegen, L.E. 5557.
 Feiss, M. 3713, 3973.
 Feistner, G. 2348, 4654.
 Feix, G. 4761, 6375, 6767.
 Fekete, A. 1298.
 Fel, Y. Ya. 6899.
 Fel'engauer, P.E. 5236.
 Felber, B.K. 3587.
 Felgenhauer, P.E. 3335.
 Feller, W.F. 7365.
 Fellingner, E. 6599.
 Felluga, B. 6503.
 Felsani, A. 4800, 6804.
 Felsenfeld, G. 2185, 2838, 3950, 5223.
 Feltkamp, T.E.W. 6458.
 Fendler, J.H. 1805.
 Fenoglio, C. 5363.
 Fenselau, C. 1827.
 Fenske, H. 7420, 7450.
 Fenwick, M. 3608.
 Fenwick, M.L. 785.
 Ferber, E. 1141.
 Ferguson, J. 1043.
 Fernandez-Gomez, M.E. 109.
 Fernandez-Munoz, R. 3292.
 Fernandez-Resa, P. 57.
 Fernwal, J.D. 3809.
 Ferracin, A. 263.
 Ferragut, C. 3110.
 Ferranti, A. 7234, 1344.

- Ferrari,E. 2154, 4027.
 Ferrari,S. 5007.
 Ferraro,A. 3659.
 Ferrauto,A. 6136.
 Ferrer,A. 5196.
 Ferrillo,F. 6051.
 Ferris,J.P. 2909, 3387.
 Ferro-Luzzi Ames, G. 2766.
 Ferro,A.J. 5761.
 Fersht,A.R. 769, 1413, 5848, 5851, 5856, 6698.
 Fessenden,R.W. 1813.
 Fetisova,I.V. 3558.
 Feunteun,J. 5505, 5969, 6191.
 Fey,S. 1906.
 Fialkoff,H. 6295.
 Fialkow,P.J. 1789.
 Fichot,O. 5156.
 Fickel,T.H. 7169.
 Fiddes,J.C. 998, 2072, 2604, 2605, 2610.
 Fidy,J. 3371.
 Fiedler,F. 4962.
 Fiedler,P. 76.
 Fiel,R.J. 6244.
 Field,H.J. 4644.
 Field,M. 1814.
 Fielden,E.M. 1078.
 Fields,B.N. 1531, 5956.
 Fields,P.I. 3809.
 Fiers,W. 3726, 3752, 4226, 4958, 4959, 5505, 5506, 6791, 7249, 7250.
 Fietta,A. 2694.
 Figelman,M.L. 6899.
 Figueroa,N. 6667.
 Figueroa,R. 2448.
 Figurski,D.H. 5012.
 Fii,N.P. 7238, 7273.
 Filimonov,N.G. 3491.
 Filimonov,V.V. 2379.
 Filimonova,T.V. 3223.
 Filipowicz,W. 4007, 4242, 6761.
 Filippi,B. 1709.
 Filippi,P. 869, 5964.
 Filippov,S.M. 5474, 5478.
 Filipski,J. 3957, 7099.
 Filpula, D. 572.
 Fimiani,M. 2713.
 Finch,C.E. 2474.
 Finch,J.T. 2256.
 Finch,L.R. 1345, 3407, 4434.
 Findly,R.C. 1612.
 Fine,D.L. 2268.
 Fink,E. 3076.
 Fink,G.R. 250, 2746, 5112, 6369, 7277.
 Finkelstein,M. 2026.
 Finnegan,J. 6150.
 Finollo,R. 3817.
 Firtel,R.A. 1613, 2070, 2164, 3760, 4788, 5970.
 Firth,W.J. 5457.
 Fischer,E. 1914.
 Fischer,J. 4792.
 Fischer,M.S. 1398, 6468, 6469.
 Fischer,N. 812, 2826.
 Fischer,R. 3603, 6818.
 Fischer,S.G. 3060.
 Fischhoff,D. 5493.
 Fischman,G.J. 6379.
 Fishback,J.L. 7423.
 Fisher,B. 5574.
 Fisher,E.R. 5574.
 Fisher,P.A. 7373.
 Fisher,R.A. 3713.
 Fisk,C.L. 2347.
 Fison,P.N. 2908.
 Fisseau,C. 4945.
 Fittler,F. 6246.
 Fiume,L. 7111.
 Fix,C. 2382.
 Flamad,A. 861, 1982.
 Flanagan,J.B. 2818.
 Flashner,Y. 3202.
 Flavell,A.J. 3540, 3541.
 Flavell,R.A. 513, 1059, 1624, 1628, 2669, 3783, 6247.
 Fleck,E.W. 1037.
 Fleck,W. 5455.
 Fleckenstein,B. 1679, 7112.
 Flehmig,B. 2025.
 Fleischer,A.E. 571.
 Flemming,J. 3084.
 Flesher,J.W. 6974.
 Fleury,A.-M. 1792.
 Flickinger,R. 5395, 6801.
 Flint,J. 6389.
 Flockerzi, V. 595.
 Floot,B.G.J. 3681.
 Florentiev,V.L. 3415, 1338, 5799, 6620.
 Florentin,L. 5062.
 Floros,J. 446.
 Flossdorf,J. 4692.
 Floyd,G.A. 6759.
 Flugel,R.M. 6183.
 Flytzanis,C.N. 2833, 6067.
 Fodor,E.J.B. 3004.
 Fodor,I. 388, 1589, 3104.
 Fogel,M. 7133.
 Fohring,B. 3739, 3969, 5944.
 Folk,W.R. 1599, 3745, 5118, 5140.
 Follmann,H. 470, 4055, 4523.
 Folomeyeva,O.M. 2827.
 Fon Lee,Y. 6786.
 Fonarev,A.B. 4368.
 Fong,K. 6377.
 Fong,K.-L.L. 1912, 4106.
 Fong,L.Y.Y. 6983.
 Fontaine,C.W. 308.
 Fontana,A. 6387.
 Fontenelle,L.J. 6965.
 Ford,G.A. 2598.
 Ford,H. 6628.
 Ford,J.P. 2499.
 Ford,N.C.Jr. 3493.
 Forget,B.G. 1700, 5531.
 Formelli,F. 2117.
 Fornace,A.J.Jr. 4408, 6107.
 Fornari,C.S. 7248.
 Forrester,P.I. 1405.
 Forsby,N. 2277.
 Forster,W. 4884.
 Forsthoefel,P.F. 2910.
 Forstova,J. 3781.
 Forte,M.A. 5512.
 Forterre,P. 3796.
 Fortson,M.R. 7038.
 Fossar,N. 745.
 Foster,N.M. 4165.
 Foti,L. 6444.
 Fougue,B. 6114.
 Fournet,B. 1154.
 Fournier,A. 5695, 5825.
 Fournier,M. 2382.
 Fournier,M.J. 1398.
 Fournier,P. 6350.
 Fourney,J.L. 752.
 Fouts,D.L. 3759, 6857.
 Fowler,K.W. 3680.
 Fox,B.W. 1577, 5251.
 Fox,C.F. 3999, 7482.
 Fox,I.H. 551, 5284, 5701, 7385.
 Fox,J.J. 702, 1807, 4635, 5770.
 Fox,M.S. 1557, 2750, 6576.
 Fox,R.M. 5765.
 Fox,T.D. 6222.
 Fraccaro,M. 3239.
 Fradkin,G.E. 3177, 3812.
 Fraenkel-Conrat,H. 3902, 6812, 3905, 6796.
 Fragomele,F. 6044.
 Fraley,R.T. 7248.
 Fralick,J.A. 5065.
 Francavilla,A. 6281.
 France,J.K. 5381.
 Francesconi,L.C. 6564.
 Francia,I. 3153.
 Francis,A.A. 1090, 7171.
 Francisci,S. 4074.
 Francisco,J.F. 6242.
 Francisco,M.A. 3680.
 Francke,B. 1071, 2719.
 Francki,R.I.B. 3258, 4783, 5966.
 Franco,L. 1255.
 Frangione,B. 6343.
 Franjic-Mihalic, I. 58.
 Frank-Kamenetskii,M.D. 1582, 6138, 3697.
 Frank,R. 2029, 2030, 2035, 2037, 4665.
 Franke,R. 1346.
 Franke,W.W. 4044.
 Frankel,A.M. 6180.
 Frankel,F.R. 628, 2059.
 Frankel,J. 4418.
 Frankel,R. 3792.
 Franklin,E.C. 6343.
 Franklin,N.C. 5252.
 Frankowski,W. 436.
 Franz,A. 6716.
 Fraselle,G. 5021.
 Fraser,J.M.K. 1105.
 Fraser,M.J. 3230.
 Fraser,N. 855.
 Fraser,N.W. 4211, 4319, 5992, 6002.
 Fraser,R.S.S. 3617, 3618.
 Fraser,T.H. 2941.
 Fraterman,A. 4883.
 Praval,H.N.A. 4407, 4409, 6093, 6956, 7155.
 Frayssinet,C. 7362.
 Frazier,J. 6643.
 Frederiksen,S. 3256, 6969.
 Free,S.J. 1039, 4980.
 Freedman,H.A. 4579.
 Freeman,G.J. 6792.
 Freeman,K.B. 3452.
 Freer,S.N. 5858, 5927.
 Freese,E. 727, 1370, 2317.
 Freese,E.B. 727, 1370.
 Freeze,H. 1039.
 Frei,E.III 5294.
 Frei,J.V. 1566.
 Freire,M. 4249.
 French,L.R. 5862.
 Frendewey,D.A. 6661.
 Frenkel,G.D. 5239.
 Frenkel,N. 659, 3736.
 Freter,R.R. 6680.
 Freund,J. 3729.
 Freund,R. 1621.
 Frey,J. 7188.
 Frey,P.A. 5646.
 Frey,T.K. 1477.
 Freyler,G. 7287.
 Freyssinet,G. 1910.
 Fricke,H. 3499.
 Frederici,K. 6911.
 Fridlender,B.R. 542.
 Fried,A.H. 3895.
 Fried,H.M. 250.
 Fried,M. 3744, 4776, 7265.
 Friedberg,E.C. 7482, 3999, 5033.
 Friedkin,M. 7127.
 Friedlander,A.M. 3197.
 Friedlos,F. 2715.
 Friedman,B.E. 3991.
 Friedman,M.A. 3831.
 Friedman,R.M. 4231.
 Friedman,S. 6664.
 Friedman,T. 5702.
 Friedmann,A. 384, 1595, 2625.
 Friedmann,T. 387, 2604, 2605.
 Friedrich,R. 6436.
 Friend,C. 4452, 4579.
 Friesen,J.D. 2534, 4181, 6362, 7273.
 Frihart,C.R. 674.
 Friis,J. 3967.
 Friis,R.R. 2208, 2804, 5161.
 Frijmann,M. 1451.
 Frisby,D.P. 7087.
 Frischauf,A.M. 1698, 6371.
 Frisman,E.V. 3690.
 Frisque,R.J. 3436.
 Fritsch,A. 3862, 4448, 4462, 5498.
 Fritsch,E.F. 2563, 6373.
 Fritz,H.-J. 1116, 3758, 5793, 5816, 5817.
 Fritzler,M.J. 3937.
 Fritzsche,H. 2039.
 Froehlich,J. 6958.
 Frohler,J. 4088.
 Frolikis,V.V. 6832.
 Frolova,E.I. 1979.
 Frolova,L.Y. 4070, 5708.
 Fromageot,P. 2194, 2774.
 Froment,Y. 2958.
 Fromson,D. 4790.
 Frontali,C. 6136.
 Frost,E. 2620.
 Frunzio,R. 1029, 5100.
 Fry,M. 1778, 1795, 5579.
 Fu,P.P. 348, 5464, 6106.
 Fu,Y.-S. 322.
 Fuchs,J.A. 572.

- Fuchs, C. 2787.
 Fuchs, J.A. 5014.
 Fuchs, P.G. 1680.
 Fuchs, R.P.P. 580, 4532, 6979.
 Fuell, K.J. 3362.
 Fujii, N. 464.
 Fujii-Kuriyama, Y. 887, 3054.
 Fujii, H. 1250, 3586, 3621, 6898.
 Fujii, S. 2737, 4054, 5267, 5270, 5734, 5779, 5787.
 Fujii, T. 4023, 4628, 6557, 7314.
 Fujiki, H. 975.
 Fujiki, K. 1976.
 Fujiki, Y. 1918.
 Fujimori, K. 4113.
 Fujimoto, M. 7299.
 Fujimura, R.K. 3912.
 Fujimura, S. 3566, 6497.
 Fujinaga, K. 2985, 4320, 5595, 7043.
 Fujinami, F. 5734.
 Fujisaki, Y. 6966.
 Fujisawa, T. 5881.
 Fujita, D.J. 1010.
 Fujita, H. 4281.
 Fujita, S. 6239.
 Fujiwara, T. 5727, 5779, 5787.
 Fujiwara, Y. 224.
 Fukami, H. 162.
 Fukami, Y. 2792, 4494.
 Fukasawa, H. 7363.
 Fukasawa, T. 2693.
 Fukazu, A. 5739.
 Fuke, M. 6254, 6256.
 Fukuda, A. 786, 1976.
 Fukuda, K. 5218.
 Fukuda, M. 2834, 5423, 6239.
 Fukuda, R. 1720, 3243.
 Fukuei, K. 5665.
 Fukuhashi, H. 2081, 4982.
 Fukui, A. 1096.
 Fukui, N. 2729.
 Fukui, T. 736, 1375, 1868, 2369, 5802, 6655.
 Fukuoka, F. 1337, 3388.
 Fukushima, K. 1844.
 Fukushima, M. 1185, 5267, 5270.
 Fuller, F. 1698, 6371.
 Fuller, F.B. 366.
 Fuller, F.J. 5613.
 Fuller, R.S. 2488.
 Fullin, F.A. 553.
 Fulmer, A.W. 3319.
 Funaguma, T. 3124.
 Funayama-Machida, C. 3932.
 Funderud, S. 1063, 2683, 4378.
 Furia, A. 7304.
 Furia, J. 2028.
 Furia, M. 7377.
 Furlong, N.B. 355.
 Furman, P.A. 3922.
 Furmanowa, M. 7219.
 Furner, P. 5586.
 Furtak, K. 1626.
 Furth, J.J. 6817, 7094.
 Furuichi, Y. 6906.
 Furuno, J. 2709, 6312.
 Furusawa, E. 1423.
 Furusawa, I. 925.
 Furusawa, M. 1769.
 Furusawa, S. 1423.
 Furuse, K. 921.
 Furuta, N. 7438.
 Furuyama, T. 2228.
 Fuse, A. 1109.
 Fuskaj, J. 3156.
 Fuskova, A. 3156.
 Fuste, R. 2810, 2811.
 Fux, J.-P. 6627.
 Fyfe, J.A. 3922.
 Fyhrquist, F. 5186.
 Gaastra, W. 2835.
 Gabarro, J. 2596.
 Gaber, V.K. 4196, 6257.
 Gabr, A.J. 297.
 Gabridge, M.G. 2907.
 Gabrielian, A.G. 7001.
 Gabrielyan, T.R. 2487.
 Gacesa, P. 114.
 Gadagkar, R.R. 4436.
 Gadaleta, G. 1388.
 Gadaleta, M.N. 2688, 6327.
 Gaddipati, J.P. 6260.
 Gadenne, M.C. 4917, 7419.
 Gadhia, P.K. 2114.
 Gadsji, R.A. 1268.
 Gafford, L.G. 1016.
 Gafurov, Yu.M. 6399.
 Gage, L.P. 399, 2660.
 Gage, V. 7241.
 Gaggelli, E. 1856.
 Gagliano, A. 2575.
 Gagua, A.V. 3699.
 Gahan, P.B. 1209.
 Gahrton, G. 3192, 7229, 7235.
 Gainullina, S.M. 3810.
 Gait, M.J. 131, 2471, 4060, 5792, 5800, 5816, 5817, 6629, 6635, 6636.
 Gaitshchok, V.S. 6547.
 Gal, A. 2428.
 Galas, D.J. 640, 1196, 3250, 4502.
 Galas, G. 4345.
 Galbenu, P. 2023.
 Galbraith, A.I. 1052, 4276.
 Galebog, G.A. 3260, 6416, 7345.
 Galibert, F. 2751, 6172.
 Galisteo-Tirado, R. 6565, 6566.
 Galizzi, A. 2154, 3355, 4213.
 Galkin, V.I. 4339.
 Gall, A.A. 740, 6094.
 Gall, J.G. 1612, 4347, 4977.
 Gallagher, K. 2849.
 Gallant, J. 3416.
 Gallerani, R. 1388.
 Galleron, C. 6223.
 Gallimore, P.H. 660.
 Gallis, B. 4239.
 Gallo, R.C. 504, 2282, 3549, 4533, 4756, 4868, 5654.
 Galloway, D.A. 4964, 5363.
 Galloway, S.M. 7451.
 Gallucci, J.C. 3221.
 Gallwitz, D. 3051, 3789.
 Galpin, J.C. 7343.
 Galston, A.W. 1153.
 Galvan, L. 6092.
 Galzigna, L. 1952, 1957.
 Gambari, R. 882, 888, 889.
 Gambaryan, A.S. 768, 3457.
 Gambetti, P. 305.
 Gambini, A. 1404.
 Gambino, R. 4795.
 Gamble, H.R. 4860.
 Gamper, H. 3066.
 Gamulin, V. 3924, 6908.
 Gandar, J.-C. 4621.
 Gander, M. 4238.
 Gandurina, I.A. 1879.
 Ganesan, A.K. 433.
 Ganesan, A.T. 4945, 4957, 7268.
 Ganesaguru, K. 1854, 5639.
 Gangarosa, L.P. 1846.
 Gangloff, J. 769.
 Ganguly, N.K. 2829.
 Ganguly, R. 1514.
 Gann, K. 5440.
 Gannon, F. 1047, 1050, 3215, 3773, 4939, 4992, 5608.
 Gantotti, B.V. 4256, 7253.
 Gantt, R. 349.
 Gaozza, C.H. 1581.
 Garaev, M.M. 5484.
 Garapin, A. 3215, 3773, 4939, 5114, 6233.
 Garapin, A.-C. 1046, 7263.
 Garber, E. 5658.
 Garber, E.A. 2233.
 Garber, M.B. 3509.
 Garbin, L. 1952.
 Garcia Ruiz, J.P. 266.
 Garcia-Blanco, M.A. 5070.
 Garcia-Ortogoza, E. 4524.
 Garcia-Patrone, M. 204.
 Garcia, C.M. 4073.
 Garcia, E. 1133.
 Gard, D.L. 1477.
 Gardner, R.S. 611.
 Gardner, J.F. 3755, 4972, 7325.
 Gardner, M.B. 1941.
 Gardner, R.C. 7239.
 Gardner, W.D. 6529.
 Garell, J.-P. 5695, 5823.
 Garen, A. 1510, 3641.
 Garg, O.P. 3883.
 Garner, R.C. 1091.
 Garner, T.F. 3167.
 Garoff, H. 5430.
 Garon, C. 386, 7047.
 Garon, C.F. 638, 1017.
 Garrard, W.T. 5224.
 Garrels, J.I. 6710.
 Garrett, R.A. 805, 1466, 2410, 5386, 5387, 5889, 5969.
 Garrick, L.M. 1536.
 Garrick, M.D. 1536.
 Garro, A.J. 990.
 Garry, R.F. 6702.
 Garssen, G.J. 2364.
 Gartner, L. 2696.
 Garufi, M. 33.
 Garvey, J.S. 3933, 4580.
 Garvie, E.I. 6950.
 Garvin, R.T. 3554.
 Gasa, S. 557.
 Gasaryan, K.G. 607, 2470, 3558, 3692, 3848.
 Gasiev, A.I. 2062.
 Gasior, E. 5341, 5340.
 Gasperi-Campani, A. 1922, 5899.
 Gassen, H.G. 146, 166, 1359, 2914, 3395, 3496, 5311, 5759, 5888, 6662.
 Gatchell, S.H. 3584.
 Gatenby, P. 4643.
 Gates, D.M. 4541, 7421.
 Gatti, M. 3977.
 Gattoni, R. 6464.
 Gattoni, S. 7118.
 Gaubatz, J. 7432.
 Gaudemer, A. 3384.
 Gaugain, B. 1573.
 Gaumont, Y. 2820.
 Gaur, B.K. 4824.
 Gausing, K. 6374.
 Gauss, D.H. 4001.
 Gauze, G.G. 4339, 4469.
 Gavin, J.A. 901.
 Gavini, F. 3110.
 Gavrilin, S.S. 2911.
 Gawecka, G. 4416.
 Gay, H. 3974.
 Gaye, P. 4125.
 Gazaryan, K.G. 2131.
 Gaziev, A.I. 3810, 4396.
 Gazit, A. 4325, 5641.
 Gaziyeve, A.I. 2679.
 Geacintov, E. 4896.
 Geacintov, N.E. 348, 2575, 6971.
 Geballe, A.P. 3928.
 Gebauer, J. 1699.
 Gebhardt, M.C. 5574.
 Gedamu, L. 3635, 4246, 6076, 6916.
 Geelen, J.L.M.C. 4453.
 Geerts, J.P. 1808.
 Geffter, M.L. 282, 3007, 5235.
 Gegenheimer, P. 2179.
 Gehring, W.J. 482, 4572, 6227.
 Geider, K. 1669, 4315.
 Geiduschick, E.P. 3568, 4559.
 Geier, G.E. 5168.
 Geiger, C. 1420.
 Geis, A. 5944.
 Geis, M. 1229.
 Geisler, N. 4569.
 Geisselsoder, J. 3605.
 Geissler, A.W. 5347.
 Geissler, E. 2397.
 Geist, C.E. 226, 7288.
 Gelagutashvili, E.S. 6955.
 Gelber, J. 686.
 Gelderblom, H. 6183.
 Gelfand, D.H. 2149.
 Gelfand, E.W. 551, 4642, 7385.
 Gelinas, R.E. 5945.
 Gell, P.G.H. 1681.
 Gellert, M. 476, 664, 3274, 6848.
 Gelvin, S.B. 7078.
 Genest, D. 155, 3693, 6500.
 Genetello, C. 5714.
 Gening, L.V. 325.
 Gennon, S. 4265.
 Gentner, N.E. 2112, 3075.

- 3158.
- Gentry,G.A. 1742, 3923.
- Gentsch,J.R. 5422, 6784.
- Genty,N. 4208.
- Geoghegan,T.E. 6078, 886.
- Georgalis,Y. 2950, 6716.
- George,Mr.Jr. 5002.
- George,S. 6466.
- Georgiou,S. 2923.
- Georgiev,G.P. 639, 1333, 1786, 2244, 2870, 2997, 3559, 3955, 6483, 6807.
- Georgiev,O.I. 3555.
- Geraldes, C.F.G.C. 110.
- Gerard,G.F. 2283.
- Gerasimenko,L.M. 2128.
- Gerasimova,L.M. 361, 5492.
- Gerbaud,C. 6350.
- Gerbaud,G. 5105.
- Gerber,M.A. 7402.
- Gerbi,S.A. 6231.
- Geremia,E. 6327.
- Geremia,R. 263, 1324, 3000, 3910.
- Gerits,J. 3214.
- Gerlach,E. 4624.
- Gerlinger,P. 1046, 1047, 2665, 4992, 6235.
- Gerlo,E. 5846.
- German,J. 2022.
- Germanyuk,Y.L. 4205.
- Germond,J.E. 7444.
- Cerner,E.W. 7212.
- Gersbach,H. 5036, 5037.
- Gershanovitch,V.N. 2487.
- Gershey,E.L. 4391.
- Gershtein, E.S. 444.
- Gerstein,H. 2232.
- Gerth,H.-J. 2025.
- Gerzon,K. 4023.
- Getmantsev,A.V. 3890.
- Getz,M.J. 3514, 4759.
- Geussenhainer,S. 2029, 2030, 2033.
- Ghelardini,P. 5165, 6356.
- Ghendon,Y. 7114.
- Ghera,R.L. 3109.
- Ghera,P. 6027.
- Gheysen,D. 6791.
- Ghora,B.K. 1483, 4145, 4214.
- Ghosai,D. 1136, 2077, 3703, 5592.
- Ghosh,A. 3148.
- Ghosh,J.J. 4124.
- Ghosh,N. 4715.
- Ghosh,P.K. 248, 1942, 3546, 4779.
- Ghosh,R.K. 140, 494.
- Ghosh,S.K. 2501.
- Ghyula,L.A. 5050.
- Ghyssael,J. 2550, 4091.
- Gia,O. 4272, 4888.
- Giachero,D. 4914.
- Giacomello,A. 1230.
- Giacomoni,D. 1239.
- Giacomoni,P. 2538.
- Giallongo,A. 1044.
- Gianas,P. 1276.
- Gianfranceschi,G.L. 6095.
- Gianguzza,F. 3031.
- Giannelli,F. 438, 2883.
- Gianni,A.M. 1597, 2436, 5929.
- Gibboney,K.M. 1305.
- Gibbs,S.P. 4790.
- Gibson,D.M. 6949.
- Gibson,W. 859.
- Gichner,T. 3359.
- Giege,R. 4699, 5855, 6699.
- Giese,G. 6050.
- Giesecke,K. 484, 2504, 3012, 3128.
- Giesen,M. 5347.
- Giessner-Prettre,C. 1859.
- Gifford,G.E. 6844.
- Gigliani,B. 2436, 5929.
- Gigot,C. 6501.
- Gil, A. 511.
- Gil,M. 4022.
- Gilbert,B.E. 187.
- Gilbert,C.S. 4672, 4850.
- Gilbert,J.H. 6180.
- Gilbert,L.L. 2198, 3248.
- Gilbert,L.L. 2791.
- Gilbert,S.F. 6206, 6208.
- Gilbert,W. 480, 1024, 2872.
- Gilboa,E. 4953.
- Giles,N.H. 5603.
- Gileva,E.A. 3131.
- Gillham,P.T. 4058.
- Gill,G.N. 6329.
- Gillam,S. 160, 1386.
- Gillam,I. 5326.
- Gillam,I.C. 747, 2937, 3451.
- Gillam,L.C. 5227.
- Gillam,S. 744, 2082, 4983, 6090.
- Gillen,M.F. 1339, 2313, 4020, 4613.
- Giller,S.A. 47.
- Gillespie,D. 3058.
- Gillette,R.W. 5580.
- Gillette,S. 5580.
- Gillham,N.W. 4650.
- Gilliam,J.N. 1241, 2227, 4530, 5184.
- Gillis,M. 5009.
- Gilmore-Hebert,M. 1142, 3790.
- Gilmour,S.J. 121.
- Gilmour,R.S. 5664, 6876.
- Gilroy,M.L. 1668.
- Gimenez-Solves,A. 1986.
- Ginatulin,A.A. 4994.
- Ginatulina,L.K. 4994.
- Ginell,S.L. 1845.
- Ginelli,E. 1597.
- Giner-Sorolla,A. 1336, 4037.
- Gingeras,T.R. 1718.
- Ginsberg,D. 1636.
- Ginsburg,A. 4083.
- Gintz,J. 3301.
- Ginzburg,I. 4809, 5330.
- Ginzburg,V. 7114.
- Giocanti,N. 6536.
- Giorno,R. 884, 2478.
- Giourd,M. 3285.
- Giovanninetti,G. 1344.
- Giphart-Gassler,M. 1123.
- Giri,C.P. 618, 622.
- Giri,J.G. 3616.
- Giri,L. 2950, 5873, 6716, 6742.
- Giron,M.-L. 745.
- Giroud,J.-P. 4431, 5062.
- Girshovich,A.S. 5883.
- Gissmann,L. 2631, 4333, 6190.
- Giudice,G. 1044.
- Giudice,L.C. 6924.
- Giuditta,A. 3179.
- Giuffrida,A.M. 2688, 6327.
- Giulotto,E. 6310.
- Given,D. 1005, 6178, 7048.
- Giveon,D. 5330.
- Glangloff,J. 2379.
- Glandsdorff,N. 7063, 7067.
- Glants,R.M. 5575.
- Glaser,G. 4924, 5487.
- Glaser,R. 1236.
- Glassberg,J. 5234.
- Glatzer,K.H. 6231.
- Glaubiger,D. 2050, 6251.
- Glazer,R.I. 2512, 3016, 5279, 5766.
- Glazer,V.M. 104, 4398.
- Gleba,D.M. 2123.
- Gleba,Yu.Yu. 2123.
- Glick,J.M. 180.
- Glit,D.J. 578, 6718.
- Globus,M. 427.
- Glomstein,A. 7230.
- Glorieux,S. 4728.
- Glotov,B.O. 1759, 3953, 6474.
- Glover,S.W. 5703.
- Glover,T.W. 3164.
- Gluzman,Y. 2634.
- Gniazdowski,M. 3601.
- Goad, W.B. 143.
- Gocke,E. 1968, 2215, 5411.
- Godard,C. 5922.
- Godchaux,W., III 794.
- Goddard,J.P. 1393.
- Godeau,J.-M. 5331.
- Godelaine,D. 212.
- Gordon,G.N. 4316, 996, 998, 1001, 2072, 2610.
- Godt,F. 5893.
- Goebel,W. 3092, 5011, 5078, 5490, 7020.
- Goeddel,D.V. 653, 652.
- Goering,R.V. 3684, 7149.
- Goerl,M. 199, 4112.
- Goertz,B. 5328.
- Goetze,T. 1215.
- Goff,S. 4953.
- Goff,S.C. 3470.
- Goff,S.P. 2187.
- Gogia,Z.V. 5874.
- Gogusev,J. 2989.
- Gohda,E. 4425.
- Goitein, R.K. 549.
- Gokita,N. 139.
- Gola,G. 5594.
- Golankevich,K. 1312.
- Golaniewicz,K. 2310, 5728.
- Gold,L. 3981.
- Gold,M. 486, 3711.
- Goldbach,R.W. 950, 2651, 2652, 3267, 6321.
- Goldberg,I.H. 343.
- Goldberger,R.F. 5686.
- Goldberg,A.L. 761.
- Goldberg,E.B. 7259, 7260.
- Goldberg,E.E. 6337.
- Goldberg,G. 5089.
- Goldberg,I.H. 2044, 2120, 3079, 7174.
- Goldberg,R. 7173.
- Goldblum,A. 367, 680.
- Goldberg,C.J. 893, 3526, 5372.
- Goldenberg,S. 7415.
- Goldfarb,A. 1461.
- Goldfarb,M.P. 3210.
- Goldford,M. 316.
- Goldman,B.M. 792.
- Goldman,E. 214, 5835.
- Goldner,H. 1346.
- Goldschmidt-Clermont,M. 482.
- Goldschmidt,E.P. 5601.
- Goldspink,D.F. 1928.
- Goldstein,D.A. 2241, 4535.
- Goldstein,D.J. 5231.
- Goldstein,E.S. 6800.
- Goldstein,L. 302, 1486.
- Goldstein,P. 4359.
- Goldstein,R. 3605.
- Golini,F. 2272.
- Gollmick,F.A. 3084, 3089.
- Golomb,M. 5159.
- Goltsov,V.A. 3692.
- Goltz,S. 7107.
- Golub,E.I. 5484.
- Golubenko,I.A. 3884, 4473, 5127.
- Golubentsev,D.A. 3833, 6994.
- Golubeva,R.V. 3819.
- Golubkov,V.I. 7023, 7024.
- Gomez,R.F. 5256, 6202, 6287.
- Goncharenko,S.B. 675.
- Gonczol,E. 2696.
- Gonda,K. 81.
- Gonikberg,E.M. 489, 6159.
- Gontcharoff,M. 617, 2255.
- Gonzalez-Cadavid,N.F. 2402.
- Gonzalez-Fernandez,A. 4906, 6046.
- Gonzalez,A. 3501, 4727.
- Gonzalez,M.H. 4420.
- Good,M. 2584.
- Good,R.A. 1203, 5158.
- Goode,D. 3313, 6315.
- Goodgal,S. 6527.
- Goodgal,S.H. 6366.
- Goodgame,D.M.L. 4651.
- Goodgame,M. 43, 1838.
- Goodman,D.G. 4470.
- Goodman,H.M. 172, 1396, 1535, 4080, 5523.
- Goodman,J.I. 5018.
- Goodman,M.F. 4502, 6295.
- Goodman,S.R. 2794.
- Goodridge,A. 6069.
- Goodwin,D.C. 6482.
- Goodwin,G.H. 1262, 3308.
- Goody,R.S. 6623.
- Goorha,R. 1509.
- Goosen,T. 1123.
- Gopinathan,K.P. 4436, 6435, 6697.
- Gorach,G.G. 1525.
- Gorai,A.P. 6145.
- Gorbacheva,L.B. 6293.
- Gorbuнова,E.E. 4199.
- Gorbuнова,L.V. 3408.
- Gordeeva,N.I. 4557.
- Gordon,J. 1484, 4013, 5810,

6738.
Gordon,J.I. 1556.
Gordon,K. 7291.
Gordon,M.E. 4739.
Gordon,M.P. 2275, 4769.
Gordon,S.R. 451.
Gordon,V.C. 7437.
Gorecki,M. 858.
Gorecki,R. 1998.
Gorenstein,C. 1970.
Gorenstein,D.G. 6671.
Gorestein,C. 4832.
Gorin,M.B. 7283.
Gorjunova,S.V. 2128.
Gorjunova,L.E. 3648.
Gorlenko,Zh.M. 6836.
Gorman,B.M. 865, 1946.
Gorman,J. 1395.
Gormley,P.E. 958.
Gornaeva,N.P. 232.
Gornicki,P. 18, 67, 5272.
Gorovsky,M.A. 396.
Gorshkova,I.I. 775, 1410.
Gorski,J. 533, 5862, 5863, 6011.
Gortz,H.-H. 1374, 2924.
Gortz,T. 1064.
Goryukhina,O.A. 1254.
Gosden,J. 3055.
Goss,D.J. 1872.
Goss,P. 5559.
Gossling,J. 2873.
Gosule,L.C. 335, 382.
Gotlieb,V.Ya. 5050.
Goto,S. 1996.
Goto,T. 24, 1228, 1348, 2325, 5171.
Goto,Y. 7312.
Gotoh,O. 413, 3778, 6148.
Gotoh,S. 2253.
Gottehrer,A. 1225.
Gottesman,M. 5689.
Gottikh,B.P. 5895, 3061, 3432, 4029, 4032, 5356.
Gottlieb,C. 2498.
Gottlieb,S.S. 1623.
Goubin,G. 3143, 3747.
Goudeau,A. 1544.
Gough,G.R. 1828, 4058.
Gough,N.M. 2438.
Gould,A.R. 3550.
Gould,H.J. 6505.
Goulian,M. 1638, 5932, 6274, 6437, 7100.
Gourlay,R.N. 2637.
Gourret,J.-P. 3328.
Govil,G. 99.
Govyrin,B.A. 1583.
Goya,P. 57.
Gozdzicka-Jozefiak,A. 1399.
Goze,A. 5077.
Gozes,I. 2486.
Grab,D.J. 6707.
Grabowy,C.T. 4437.
Grachev,M.A. 2445, 381, 994.
Grachev,S.A. 2615, 2617.
Gracheva,L.M. 3596.
Grachyova,S.F. 3650.
Grade,K. 1997.
Graef-Dodds,E. 1462.
Graessmann,A. 2635.
Graessmann,M. 2635.
Graevskaya,N.A. 4513.
Graf,H. 6246.
Grafte,M. 4343.
Grafstrom,R.H. 1638.
Graham,D.E. 1555, 6723.
Graham,J. 5663, 6541.
Graham,J.B. 7267.
Graham,M.Y. 4787, 7315.
Graifer,D.M. 137.
Gralla,J. 4806, 5205.
Granda,S. 4692.
Grandchamp,C. 6217, 6218.
Grandgenett,D.P. 546, 1204, 1289, 5159.
Grandi,C. 6387.
Graneli-Piperno,A. 4817.
Grange,F. 3797.
Granieri,A. 3135, 6267.
Granoft,A. 1509.
Gratot,J. 6619.
Grant,A.J. 563.
Grant,D. 420, 1615.
Grant,M.E. 6919.
Grant,P.G. 5890, 5891.
Grantham,R. 2884.
Graslund,A. 1235, 2055, 4897, 4909.
Grasso,R.J. 1100.
Gratton,E. 6136.
Gratzner,H.G. 4525.
Graves,B.J. 100.
Graves,D.E. 5458.
Graves,H. 6389.
Graves,P.-V. 6693.
Gray,A.M. 7401.
Gray,D.M. 153, 4925.
Gray,H.B., Jr. 3888, 6948.
Gray,J.W. 323, 5229.
Gray,P.W. 1035, 4358, 5413, 5517.
Grayhack,J.T. 912.
Grayson,M. 6784.
Grayzel,A.I. 4528.
Grazi,E. 1252.
Graziani,Y. 3838.
Greaves,J.P. 6290.
Grecksch,G. 729.
Greco,M. 5528.
Green,B.R. 2656.
Green,M. 508, 2283, 2284, 2756, 2985, 3361, 3725, 4322, 4774, 5005, 6532.
Green,M.H.L. 2885.
Green,M.R. 6028.
Green,R.M. 4678, 4740.
Green,T. 4279.
Greenaway,P. 7265.
Greenaway,P.J. 5597.
Greenbaum,J.H. 4037.
Greenberg,J.R. 2982.
Greenberg,M.L. 5651.
Greenblatt,J. 3112.
Greenblatt,R.M. 6837.
Greene,J.J. 741, 2275.
Greene,L.A. 2522.
Greene,P.J. 1170.
Greenfield,L. 1026.
Greenway,S.C. 1953.
Greenwood,M.R.C. 5174.
Gregerson,D.S. 6434.
Gregoire,R.J. 6773, 2447.
Gregoli,S. 6613.
Gregory,S. 712.
Greim,H. 6309.
Grel',M.V. 7194.
Gren,E.J. 1469, 1506, 1507, 4188, 4772, 4844.
Gren,E.Y. 4070.
Gretchko,V.V. 3648.
Greuer,B. 3480.
Gribanov,V. 4772.
Gribanov,V.A. 1469.
Gridneva,V.S. 4056.
Griebok Jose,J. 1313.
Griem,K. 6178.
Grieninger,G. 6708.
Grierson,D. 1538, 3567, 3577.
Grif,V.G. 3964.
Griffin,A.C. 169.
Griffin,B. 7146.
Griffin,B.E. 2633.
Griffin,D.E. 4280, 4392.
Griffin,J.D. 1667.
Griffin,K.P. 2571, 6116.
Griffin,W.S.T. 1673.
Griffith,J.K. 1994, 5994, 5995.
Griffiths,F. 1875.
Griffiths,T.D. 2118, 7179.
Griggs,B.G. 969.
Grigliatti,T.A. 5227.
Grigoriev,V.B. 4949.
Grigoriev,Y.G. 3070.
Grigoryan,A.A. 3559.
Grill,C.M. 4028.
Grill,L.K. 837.
Grimaldi,G. 5110.
Grimbergen,J. 1653.
Grimm,T. 1699.
Grimme,N. 1087.
Grinberg,H. 1581.
Grindley,N.N. 996, 1001.
Grineva,J.I. 327, 361, 970, 4061, 5492, 6645, 6961.
Grinsted,J. 3857, 5138.
Grippe,P. 3261, 3910, 7377.
Grisham,J.W. 1074.
Grishenkov,V.G. 1121.
Grist,E. 2113.
Grivell,L.A. 4357, 5249.
Grobner,S. 3957.
Grobstein,C. 7481.
Grodnietskaya,N.A. 6337.
Grokhovskiy,S.L. 3061, 3432.
Grollman,A.P. 343, 2568.
Gromkova,R. 6527.
Gromov,P.S. 1768.
Gromova,E.S. 5299.
Gronenborn,B. 661.
Groner,B. 3012, 3128, 4754.
Groner,Y. 830, 5710, 6788, 6789.
Gronow,M. 5666.
Gros,F. 1848, 4185, 4553, 4800, 6003, 6804.
Groscurth,R. 724, 1369.
Groshev,V.V. 2554.
Grosjean,H. 4226.
Gross,H.J. 866, 1947, 2381, 2993, 3548, 5382, 5754, 5939, 6772.
Gross,M. 145, 1422, 1899, 4129, 4137.
Gross,P.R. 935.
Gross,V. 4.
Grosschedl,R. 3716, 4934, 6372.
Grosse,F. 4697.
Grossman,L.I. 951.
Grossman,N. 3613.
Grosvedl,G. 1624.
Groudine,M. 1129.
Grouls,V. 2134.
Grouse,J.M. 4202.
Grouse,L.D. 1524, 2920, 4202.
Grover,P.L. 2056, 4903.
Gruber,M. 843, 2416, 5434.
Grubisic,D. 3194.
Grubman,M.J. 6779.
Grunwedel,D.W. 6245, 7041.
Grull,J.M. 4088.
Grummt,I. 4996, 5611.
Grunberg-Manago,M. 824, 3270, 4343, 4742.
Grunberger,D. 175, 4674, 4679.
Grundmann,U. 6806.
Grunstein,M. 285.
Grunstrom,T. 7064.
Gruntenko,E.V. 5650.
Grunz,H. 7282.
Gruss,P. 3969.
Grussendorf,E.-I. 6275.
Gruter,F. 4001.
Gruzdev,A.D. 966, 2869.
Gryczan,T.J. 4306.
Grynias,M. 3651.
Gzelak,K. 6762.
Grzesiuk,S. 1998.
Gschwender,H.H. 1529.
Gualerzi,C. 3506, 5912, 6742.
Guarante,L. 5621.
Guardiola,J. 5110.
Guarini,L. 6658.
Guarino,L.A. 3805.
Gubbins,E.J. 3849.
Gubler,U. 5510, 7427.
Gudas,L.J. 2809, 5610.
Gudding,R. 6396.
Gudkov,A.T. 803, 1426, 1431, 1902.
Gudz'-Gorban',A.P. 5500.
Gudzera,O.I. 5333.
Guelpa,B. 7044.
Guerineau,M. 6350.
Gueron,M. 3446.
Guertin,M. 5993.
Guertard,D. 5499.
Guglielmi,L. 6095.
Gualias,A. 6417.
Guigues,M. 155.
Guigues,M. 5649, 6454.
Guild,W.R. 3860, 4864.
Guilfoyle,R. 4867.
Guillaume,J.B. 2559.
Guillemain,B. 2626.
Guillen,N. 1792.
Guilley,H. 1482, 4177.
Guillot,G. 1152.
Guinee,P.A.M. 2886.
Guiney,D.G., Jr. 1112.
Guiotto,A. 4272.
Guissani,A. 4517.
Guitton,Y. 5196.
Gukovskaya,A.S. 2932.

- Gulde, V. 3993.
 Gulewicz, K. 5385.
 Gullov, K. 4702.
 Gullov, K.B. 3967.
 Gulyaev, N.N. 3415.
 Gulyaeva, V.I. 6656.
 Gumanov, L.L. 3810.
 Gumanova, A.V. 3810.
 Gumpert, R.I. 2819, 6450.
 Gundy, S. 4406.
 Gunn, B.C. 4927.
 Gunning, P.W. 765.
 Guntaka, R.V. 670, 900, 2623, 2629, 2768, 3059, 3403.
 Gunther, E. 7394.
 Gunthert, U. 3753.
 Guntner, C. 5335.
 Gunz, F.W. 1790.
 Gupalo, I.D. 2653.
 Gupta, G. 368.
 Gupta, K.C. 2340, 5963.
 Gupta, N.K. 145, 1923.
 Gupta, R.C. 4682, 6771.
 Gupta, R.S. 3412.
 Gupta, S. 1203, 5158.
 Gupta, S.L. 577, 2524.
 Guranowski, A. 7382.
 Gurari-Rotman, D. 2142.
 Gurdon, J.B. 2489, 4246, 4813.
 Gurel, O. 5321.
 Gurevich, A.I. 3695, 6205.
 Gurevich, R. 3090.
 Gurgo, C. 4191.
 Guriev, V.P. 3442.
 Gurley, L.R. 637.
 Gurley, W.B. 4370, 7183.
 Gursky, G.V. 1865, 3061, 3432, 5241.
 Gurvich, G.A. 2234.
 Guschlbauer, W. 1355, 2821, 3390, 3418, 6122, 6592.
 Guseinov, O.A. 1145.
 Gusenkova, N.M. 2932.
 Gusev, I.V. 3833, 6994.
 Gussander, E. 3732.
 Gussin, G. 6410.
 Gussin, G.N. 7352.
 Gut, J. 92.
 Gutai, M.W. 665.
 Guthrie, C. 2377, 6660.
 Guthrie, P.D. 4393.
 Gutierrez, D.A. 1752.
 Gutmann, E. 1681.
 Gutte, B. 497, 5130.
 Gutteridge, W.E. 1038, 4830.
 Guttman, B.S. 2095.
 Guttman, T. 3781.
 Guy, A.L. 3166.
 Guy, J.S. 2453.
 Guyer, M.S. 3203.
 Guzek, T. 3073.
 Gvozdev, R.I. 4915.
 Gyurjan, I. 3492, 4720.
 Haas, J. 1442.
 Haase, A.T. 2973.
 Haasnoot, C.A.G. 3427.
 Habara, A. 4509.
 Habener, J.F. 1537, 6923.
 Haber, J.E. 5789.
 Haber, R. 5982.
 Habermehl, G. 5273.
 Habersat, M. 1095.
 Habeshaw, J.A. 5639.
 Hachimori, A. 194.
 Hackett, P.B. 3045, 3789.
 Hackstadt, T. 7383.
 Hadden, C.T. 7136, 7137.
 Hadi, S.M. 2783.
 Hadjililadis, N. 6582.
 Hadjilov, A.A. 1728, 2415, 3555, 5974, 6879.
 Hadjilov, D. 2841.
 Hadley, K.H. 2939.
 Hadley, R.G. 6087.
 Hadwiger, L.A. 6609.
 Haegeman, G. 6791.
 Haenni, A.L. 6761, 6913.
 Haertle, T. 2821.
 Hageman, P. 6820.
 Hageman, T.C. 4375.
 Hagen, F.S. 4212, 5935.
 Hagen, U. 4907.
 Hagenbuchle, O. 6799.
 Hager, D.A. 5144.
 Hager, L.P. 4914.
 Hagerman, P.J. 3226.
 Haggis, G.H. 7442.
 Hagiwara, H. 2847.
 Hahlbrock, K. 3626.
 Hahn, E.C. 1203.
 Hahn, F. 3777.
 Hahn, H. 7333.
 Hahn, W.E. 1493.
 Hahne, S. 6933.
 Haidle, C.W. 4267, 6964.
 Haigwood, N.L. 4998.
 Haindl, E. 4636.
 Hajduk, S.L. 4348.
 Hakam, A. 5807.
 Hakim, G. 1227.
 Hakoshima, T. 174.
 Halbert, D. 3526.
 Halbreich, A. 4855, 6815.
 Halevy, C. 3909, 4450.
 Halford, S.E. 5138.
 Hall, B.D. 2082, 3877, 4983, 6865.
 Hall, C. 1886, 1973.
 Hall, C.L. 6809.
 Hall, I.H. 1663, 1665.
 Hall, K.Y. 2887.
 Hall, L. 3522.
 Hall, M.R. 2241, 4535.
 Hall, P.F. 3503.
 Hall, R.H. 6952.
 Hall, S.H. 5611.
 Hall, S.W. 3400.
 Hall, T.C. 5429.
 Hall, T.J. 6486.
 Hall, Y. 2285.
 Hallberg, R.L. 1433.
 Halliburton, I.W. 385.
 Hallick, R.B. 1035, 4358, 5413, 5517.
 Hallinan, F.M. 4515.
 Halling, S.M. 7022.
 Halpern, A. 2057.
 Halpern, C.C. 3107.
 Halsema, I. 2416.
 Halsey, J.F. 5187.
 Hama-Inaba, H. 7467.
 Hamada, H. 887, 5985.
 Hamada, J. 4090.
 Hamada, N. 4791.
 Hamaguchi, M. 5190.
 Hamaji, F. 5739.
 Hamashima, H. 3204.
 Hamatani, K. 6604.
 Hamelin, C. 7296.
 Hamelin, R. 2422, 2477, 4207, 6597.
 Hamer, D.H. 2668, 3212.
 Hames, B.D. 5887.
 Hamill, W.D., Jr. 4626.
 Hamilton, M.G. 6707.
 Hamkalo, B.A. 6479.
 Hamlett, N.V. 3720.
 Hamlyn, P.H. 1323, 2471.
 Hammett, J.R. 5988.
 Hamor, T.A. 102.
 Hamori, E. 152.
 Hampar, B. 1114.
 Hampel, A.E. 3459, 5845.
 Hampton, A. 118.
 Han, A. 352, 353.
 Han, S. 2252.
 Hanafusa, H. 1939, 3107, 3543, 3867, 6234.
 Hanahan, D. 1698, 6371.
 Hanania, N. 6253.
 Hanaoka, F. 1736, 5563.
 Hanasaki, N. 2253.
 Hanawalt, P.C. 7482, 3999.
 Hanawalt, P. 6158.
 Hancock, C.D. 4687.
 Hancock, R.L. 1405, 4687.
 Hand, R. 1314, 6331.
 Handa, H. 7108.
 Handa, S.M. 6938.
 Haney, S. 180.
 Hanlon, S. 2670.
 Hannan, M.A. 3157, 3158.
 Hanners, J.L. 3576.
 Hannestad, K. 5655.
 Hannett, N.M. 6160.
 Hanocq-Quertier, J. 5570.
 Hansberg, W. 3047.
 Hansen, F.G. 3757.
 Hansen, J. 1560.
 Hansen, J.B. 3660.
 Hansen, S. 5594.
 Hansen, S.K. 5529.
 Hansen, U.M. 7330.
 Hansmann, I. 1699.
 Hanson, B.E. 135, 2362.
 Hanson, C.V. 345, 4283.
 Hanson, K.P. 439, 3959, 5426, 6125.
 Hanson, L.P. 4368.
 Hanson, M.A. 2680.
 Hanson, R.P. 3052, 5441.
 Hanson, R.W. 266, 1956.
 Hansske, F. 3374.
 Haque, H. 5087.
 Hara, E. 5460.
 Harada, F. 3447.
 Harada, K. 1604.
 Harada, S. 3378, 4639.
 Haralson, M.A. 4251.
 Harano, T. 3504.
 Harary, I. 2844.
 Harbers, E. 5214.
 Harbers, K. 2092.
 Hardesty, B. 1898.
 Hardesty, B.A. 3450.
 Hardies, S.C. 6141, 6143, 6144, 6364.
 Harding, J.D. 903, 4184, 4220.
 Hardison, R.C. 2562.
 Hardman, N. 6214, 6215.
 Hardt, N. 3694.
 Hardwicke, P.M.D. 1906.
 Hardy, C. 1489, 1992.
 Iardy, K. 616.
 Hardy, K.G. 6334.
 Hardy, K.J. 615.
 Hardy, R.W.F. 5248.
 Hardy, W.D., Jr. 4533.
 Hare, D.L. 1118.
 Harel, J. 6253, 7058.
 Harigai, H. 6701.
 Harker, C.W. 517.
 Harl-El, R. 6854.
 Harley, E.H. 3551.
 Harm, H. 434.
 Harmon, S.A. 3897.
 Harms-Ringdahl, M. 2429.
 Harms, E. 2988.
 Harper, R.A. 461, 462.
 Harpold, M.M. 5527, 5931, 6342.
 Harrington, R.E. 5198.
 Harris, A.W. 3407, 4434.
 Harris, B. 7358.
 Harris, C.C. 2576, 5456.
 Harris, G. 5586.
 Harris, J. 6706.
 Harris, J.D. 3896.
 Harris, J.I. 2779.
 Harris, J.N. 533.
 Harris, J.S. 3456, 3615.
 Harris, M.B. 1897.
 Harris, S.E. 5397.
 Harris, T.J.R. 1475, 1797, 2457, 2461.
 Harrison, B.D. 5968, 6535.
 Harrison, R.C. 3353.
 Harrison, R.W. 4251.
 Harrison, S.C. 2463.
 Harrison, T.A. 1201.
 Hart, R.W. 2285, 2887, 6307, 6977, 7156.
 Hartley, B.S. 1920, 3240.
 Hartley, J.L. 3849.
 Hartley, M.R. 5998, 5999.
 Hartley, S.E. 3573.
 Hartman, J.R. 4193.
 Hartman, P.E. 2896.
 Hartman, P.S. 7466.
 Hartmann-Goldstein, I. 5231.
 Hartmann, C.J.R. 5884.
 Hartmann, M. 7039.
 Hartung, M. 1974.
 Hartwick, R.A. 4028.
 Hartwig, M. 2672.
 Haruna, I. 2792, 4494.
 Haruna, M. 1665.
 Haruyama, H. 6594.
 Harvey, D.J. 55, 3379.
 Harvey, R. 5339.
 Harvey, R.G. 348, 3064, 4235, 5464, 6106, 7134.
 Harvey, R.P. 4993.

- Haselkorn, R. 891, 907.
 Haseltine, W.A. 342, 346, 4375.
 Hashida, T. 2216, 6340.
 Hashimoto, K. 3009, 4503.
 Hashimoto, S. 694, 1340, 4618, 4774.
 Hashimoto, Y. 6988.
 Hashizume, T. 695, 3377.
 Haskell, T.H. 3380.
 Hasnain, S.N. 2174.
 Hassell, J.A. 2621.
 Hastie, N.D. 2468.
 Hastings, K.E.M. 1476.
 Hasumi, T. 2705.
 Hasunuma, K. 4412.
 Hata, T. 129, 139, 242, 4659.
 Hatakeyama, I. 841.
 Hatano, H. 2052, 2064.
 Hatayama, T. 343, 7174.
 Hatch, T.P. 6318.
 Hatey, F. 4125.
 Hatfield, D. 178, 3455.
 Hatfield, G.W. 214, 2383, 3024, 5835.
 Hathway, D.E. 4279.
 Hatta, T. 6777.
 Hattman, S. 1225, 3604.
 Hattori, J. 4334.
 Hattori, M. 242.
 Hauenstein, E. 2580.
 Haugen, T.H. 7310.
 Haugland, R.A. 4801.
 Haugli, F. 1063, 2683, 4378.
 Haupt, I. 3499.
 Hausen, P. 529.
 Hauser, J. 6935.
 Hausler, B. 3992.
 Hauswirth, W.W. 4318.
 Hautala, J.A. 5603.
 Haverkamp, J. 1154.
 Havranek, M. 2770.
 Hawkins, R.B. 4905.
 Hawley, D.M. 2593.
 Hawrelak, S.D. 2322.
 Haxen, E.E., Jr. 4605.
 Hay, J. 1644.
 Hay, R.T. 1644.
 Hayaishi, O. 3.
 Hayakawa, H. 2221, 5175.
 Hayakawa, Y. 1358, 5084.
 Hayase, E. 3235.
 Hayashi, F. 5826.
 Hayashi, J.D. 5425.
 Hayashi, J.-I. 413, 3778.
 Hayashi, K. 149, 713, 4791, 6898.
 Hayashi, M. 3800, 4489.
 Hayashi, S. 5227.
 Hayashi, T.T. 4675, 5425.
 Hayashi, Y. 356.
 Hayashikawa, R.H. 3419.
 Hayat, M.A. 4573.
 Hayatsu, H. 77, 2329, 4021.
 Hayes Bakken, A. 262.
 Hayes, D. 3495.
 Hayes, D.H. 1905, 5349.
 Hayes, F.N. 143.
 Hayflick, L. 7215.
 Haynes, J.R. 245, 7287.
 Haynes, R.H. 2767.
 Hays, J.B. 1075.
 Hayward, R.S. 4970.
 Hayward, W.S. 2460.
 Haywood, E.F. 1754.
 Hazen, E.E., Jr. 5259, 5260, 7300, 4604.
 Head, C. 5998.
 Heady, J.E. 4688.
 Hearst, J.E. 3717, 6969, 7379.
 Heasley, S. 670.
 Heath, E.C. 7310.
 Hecht-Buchholz, C. 5906.
 Hecht, N.B. 3003, 4507.
 Hecht, R. 1712.
 Hecht, S.M. 182, 1402, 6681, 6753.
 Hecker, L.J. 1307, 6677.
 Hecker, M. 3185, 6333.
 Heckman, J. 2937.
 Heckman, J.E. 3449, 4784.
 Hedblom, M.L. 5905, 6748.
 Hedgcock, C. 4072.
 Hedge, M.V. 3271.
 Hedges, R.W. 6145.
 Hedgpeth, J. 3534.
 Heffron, F. 2602, 4967, 6145.
 Hefti, E. 2758.
 Hehemann, D.G. 1837.
 Hehlmann, R. 840, 2480.
 Heidebreder, M. 2730.
 Heidelberg, C. 4025, 4645.
 Heidmann, W. 2030.
 Heilig, J.S. 3896.
 Heilporn, V. 7354.
 Heim, I. 4799.
 Hein, U. 2989.
 Heindell, H.C. 1494.
 Heine, U. 947, 6189.
 Heine Meyer, E.-A. 725, 1229.
 Heinen, E. 1683.
 Heinrich, G. 7089.
 Heinrich, P.C. 4, 3956.
 Heinrichson, R.L. 1259.
 Heintz, R.L. 832.
 Heinze, J. 727, 1370.
 Heinze, J.E. 2317.
 Heip, J. 6914.
 Helbach, M. 3448.
 Helberg, D. 4695.
 Held, I.R. 2199.
 Helderman, J.H. 6889.
 Helene, C. 3369, 3664, 4582, 6558.
 Helgstrand, E. 2796, 5150.
 Helinski, D.R. 1634, 2150, 2152, 4308, 4561, 5010, 5012, 5248, 5590.
 Heller, K. 6848.
 Heller, P. 1239.
 Hellermann, G.R. 5031.
 Helligren, D. 5764.
 Hellier, L.E. 1037.
 Helling, R.B. 7079.
 Hellmann, W. 4103.
 Hellstrom, P.-E. 5186.
 Hellung-Larsen, P. 3256.
 Helman, D. 1930, 2038.
 Helmstetter, C.E. 6510.
 Helpap, B. 2134.
 Hemleben, V. 6341.
 Hemminki, K. 6066.
 Hemminki, S.M. 6008.
 Hemmon, D. 3574.
 Henco, K. 5382, 5965.
 Henderson, A.B. 1898.
 Henderson, A.S. 5672, 4262, 6508.
 Henderson, E.E. 4641.
 Henderson, J.D. 6591.
 Henderson, J.F. 2335, 4584.
 Hendler, F. 6815.
 Hendrick, J.P. 1623.
 Hendricks, M.B. 6066.
 Hendrickson, D.N. 6564.
 Hendrix, R.W. 988.
 Hendry, L.B. 1575.
 Hengeveld, G.M. 6980.
 Henichart, J.-P. 6572.
 Henle, K.J. 7209.
 Henle, W. 5684.
 Henneberg, P. 5557.
 Hennecke, H. 4088.
 Henneke, C. 5913.
 Hennen, P.E. 4415.
 Henner, D. 7094.
 Hennings, H. 3832.
 Henri, J. 589.
 Henriksen, T. 1343.
 Henry, B.E. 1236, 3737.
 Hensgens, L.A.M. 4357.
 Henshaw, E.C. 815, 1533.
 Henske, A. 5916.
 Hentschel, C.C. 1176, 1554.
 Hepburn, A.G. 4309, 4370.
 Herak, J.N. 1858, 6562.
 Herberman, R.B. 3880.
 Herbert, E. 5523.
 Hercules, K. 3790, 5713.
 Herdman, M. 6199, 6200.
 Heredia, C.F. 2775, 5337.
 Hereford, L.M. 2746.
 Heremans, K. 6721.
 Herisse, J. 6172.
 Herken, R. 2727.
 Herlan, G. 6050, 6540.
 Herman, R. 588, 1457.
 Herman, R.C. 1945, 3564.
 Hermes, W. 1143, 5791.
 Hernadi, F. 2916.
 Hernadi, F.J. 3153.
 Hernaez, L. 3145.
 Hernalsteens, J.P. 5714.
 Hernandez-Velarde, R. 4072.
 Hernandez, F. 1434.
 Hernandez, O. 1090, 3787.
 Herrera, F. 5340, 5341.
 Herries, D.G. 4183.
 Herrlich, P. 354, 2483.
 Herrmann, B. 4047.
 Herrmann, G. 5753.
 Herrmann, R.G. 7291.
 Hershberger, C.L. 2167.
 Hershey, J.W.B. 220, 1453, 4743, 4751.
 Hershfield, M.S. 711, 3398.
 Herskowitz, I. 3603.
 Herson, D.S. 1412.
 Herz, W. 5705.
 Herzberg, M. 3886, 5362.
 Herzfeld, F. 4841.
 Herzog, A. 4116.
 Herzog, M. 6534.
 Heslot, H. 6350.
 Hespell, R.B. 3021.
 Hess, B. 6742.
 Hession, C. 5971.
 Heumann, H. 258.
 Heumann, W. 4723, 7254.
 Hewettson, J. 1236.
 Hewish, D.A. 4993.
 Hewitt, R.R. 4267.
 Heyneker, H.L. 7027.
 Heyting, C. 4350, 4351, 4352.
 Heywood, S.M. 2442, 4746, 5928.
 Hiasawa, E. 2514.
 Hiatt, W.R. 521.
 Hickey, C. 5389.
 Hicks, H. 466.
 Hicks, J.B. 5112.
 Hidaka, H. 614, 5451.
 Hidaka, K. 3677.
 Hidaka, S. 5384.
 Hidvegi, E.J. 4585.
 Hieda, K. 1096.
 Hieter, P.A. 6066.
 Higashi, K. 2253.
 Higashi, T. 4766, 6071.
 Higashinakagawa, T. 4815.
 Higashivama, K. 3363, 4609.
 Higgins, N.P. 1223, 3928.
 Higgins, P.J. 1735, 3288, 4499.
 Higgins, S.J. 274, 4183.
 Higgins, T.J.V. 313.
 Higginson, S. 3857.
 Highfield, D.P. 3072.
 Hightower, L.E. 933.
 Higuchi, M. 4417.
 Higuchi, R. 1142.
 Higuchi, S. 94.
 Hilbers, B.W. 2364, 6670.
 Hill, B.T. 487, 917.
 Hill, C.W. 3873.
 Hill, D.F. 6153.
 Hill, J.M. 1503, 1846.
 Hill, M. 3143, 3747, 6277.
 Hill, R.C. 3554.
 Hill, R.S. 1953.
 Hill, V.M. 7413.
 Hill, W.E. 4280.
 Hille, J. 2024.
 Hille, M.B. 4705.
 Hillen, W. 146, 1359, 2914, 3395, 5311, 5759.
 Hiller, G. 3548.
 Hillier, A.J. 1967, 4036.
 Hillova, J. 3143.
 Hilmars, D.E. 6652.
 Hiltbran, G. 231.
 Himeno, M. 6353.
 Himmel, M. 4731.
 Hindley, J. 4309, 7097.
 Hingerty, B. 148, 243, 758, 4666, 6668.
 Hink, W.F. 6307.
 Hinkle, D. 7150.
 Hinkle, D.C. 3926.
 Hinkle, N.F. 7324.
 Hinnen, A. 5112.
 Hinton, D.M. 2819.
 Hinuma, Y. 5419.
 Hinz, H.J. 5679.
 Hinz, R. 3139, 6261.

- Hiraga.S. 3205, 5602.
Hirahara.T. 1860.
Hirai.A. 3657, 6394, 6866.
Hirai.K. 2693.
Hirai.T. 152, 4174.
Hirakawa.A.Y. 6594.
Hirama.M. 2744.
Hirano.H. 2253.
Hirao.I. 54.
Hirasawa.E. 608.
Hirashima.A. 6701, 6774.
Hirata.T. 5747, 5763.
Hirobe.M. 3363, 4609.
Hirochika.H. 1449, 3246.
Hirose.S. 1408, 1918, 2933, 3834, 4478, 5892.
Hirose.T. 1113, 2355, 2357, 7033.
Hirota.K. 2315, 2906, 4635, 6568.
Hirota.Y. 1348, 3756.
Hirsch-Kauffmann.M. 354, 2483, 3275.
Hirsch.I. 4330.
Hirschbein.L. 1792.
Hirschi.M. 6264.
Hirsh.D. 4986.
Hirsh.D.C. 987.
Hirth.L. 6196, 6534.
Hiscott.J.B. 6278.
Hitchins.A.D. 2286.
Hittelman.W.N. 5048.
Hitzeman.R.A. 2370, 2795, 3264, 4501.
Hixson.S.S. 6752.
Hiyama.C. 1349.
Hlozanek.I. 1681.
Hnilica.L.S. 615, 616, 3289.
Ho.C. 423.
Ho.F. 6364.
Ho.R.W. 6678.
Ho.Y.-K. 2197.
Hoard, D.E. 143.
Hobart.P.M. 2801.
Hobbs.J. 1226, 1868.
Hobom.G. 4934.
Hoch.J.A. 1149.
Hoch.S.O. 1149, 6529.
Hochberg.A.A. 2428.
Hochkeppel.H.-K. 5810, 1484.
Hochmannova.J. 2748.
Hock Tan.K. 6753.
Hodges.C.V. 1677.
Hodgson,D.J. 100, 5755, 6590.
Hodo,H.G.,III 626.
Hoehn.H. 6502.
Hoeijmakers,J.H.J. 2649, 4005.
Hoeschele,J.D. 7189.
Hoess,R.H. 1584.
Hoet.P. 1069, 5021, 7106.
Hofemeister.J. 5704.
Hofer.E. 846, 3600.
Hofer.M. 4344.
Hoffbrand.A.V. 1854, 5639, 7218.
Hoffer.B. 6336.
Hoffman.E. 3455.
Hoffman.W.L. 192.
Hoffmann Berling.H. 5675.
Hoffmann,D. 6190.
Hoffmann,M.E. 4910.
Hoffmann,P.J. 507.
Hoffmann.S. 363.
Hofgartner.F.J. 5410.
Hoflack.B. 6414.
Hofmann.F. 595.
Hofnung.M. 3112.
Hofschneider.P.H. 5684, 661, 1197, 1205, 5161, 5597.
Hofstaetter.T. 4883.
Hogan,M. 337, 1282, 1284, 2579, 3077, 4317, 6118.
Hogenauer.G. 4118.
Hogenkamp,H.P.C. 1831.
Hogness,D.S. 400.
Hohn.B. 475.
Hoj Nielsen.A. 6070.
Holbrook,S.R. 756, 757.
Holden, J.A. 569.
Holder,S.B. 7022.
Holgate,S.T. 2829.
Hollaender.A. 5248.
Holland.J. 4585.
Holland.J.A. 3362.
Holland,J.J. 868, 6794.
Holland,J.P. 1929, 6220.
Holland,L.E. 1487, 5376, 6781.
Holland,M.J. 1929, 6220.
Holland,R.I. 7213.
Hollander,V.P. 1801, 5470.
Hollandt.H. 5214.
Hollar.B.A. 1629.
Hollatz.R. 7204.
Hollaus.F. 2640.
Hollenberg,C.P. 4988, 7075.
Hollender.R. 5918.
Holler.E. 1316, 5335, 5853, 6692.
Hollosi, G. 496.
Holloway,B.W. 4008.
Hollstein, U. 143.
Holm,C.A. 1487.
Holman,M.J. 1836.
Holmes.A.M. 7374.
Holmes, B. 1608.
Holmes,I.H. 5958.
Holmes,R.R. 3221.
Holmes,W.M. 214, 5835.
Holmgren.A. 1233.
Holmgren.R. 5221.
Holmquist,L. 4153.
Holstege.A. 4047.
Holsters,M. 5714.
Holt,S.C. 3101.
Holtén,D. 291.
Holtlund.J. 1231.
Holtta.E. 3187.
Holupirek.M. 1374.
Holy.A. 17, 1151, 1745, 4018, 4040, 5262, 5910, 6656.
Homer,R.B. 874.
Homewood,C.A. 2129.
Honda,B.M. 2256.
Honda.S. 3834.
Hong,C.I. 66.
Honglo,J.K. 7213.
Honigman.A. 2787, 3858.
Honjo.M. 50.
Honjo.T. 4816, 5524.
Honn,K.V. 6283.
Hood,L. 4365.
Hoogendorp,J.D. 101, 2345.
Hooks,J.J. 2741.
Hooper.A.B. 2681.
Hopfenbeck.A. 5075.
Hopfield,J.J. 750.
Hopkin,J.M. 7002.
Hopkins.J. 4209.
Hopkins, N. 857, 1940, 2990.
Hopper,J.E. 2912, 3028.
Hopwood,D.A. 474.
Horak.I. 4101.
Horecker,B.L. 4249.
Horgen,P.A. 3254, 4491, 4586.
Hori,H. 2983.
Hori,K. 1500.
Hori.M. 3152.
Horikawa.H. 6563.
Horikawa,M. 6998.
Horikoshi.A. 6438.
Horikoshi,K. 1722.
Horinouchi,S. 3705.
Horio.T. 2847.
Horitsu,H. 2177.
Horiuchi,K. 4314.
Horkay,I.R. 4406.
Horn,G. 3084.
Horodniceanu,F. 5073, 7263.
Horodniceanu,T. 2068.
Horowitz.J. 762.
Horowitz,M. 2975, 3582, 4172.
Horowitz,S. 4695, 7454.
Horpasy,G. 4837.
Horst.A. 3954.
Horwitz.J. 7437.
Horwitz,M.S. 425, 3916, 7132.
Horwitz,S.B. 341, 3803, 7132.
Hosbach,H.A. 5839, 5840, 6682.
Hoshi.A. 1337.
Hoshino.T. 323.
Hosoda.J. 642, 1287, 2266.
Hosoi.J. 2411, 2414.
Hosoya.T. 4489.
Hossenlopp,P. 3900.
Hotta,Y. 3798.
Hough-Evans,B.R. 304, 5976.
Houghton,J.A. 6577, 7152.
Houghton,M. 3257.
Houghton,P.J. 6577.
Houmar,J. 2162.
Hountondji,C. 5852.
Hourdry,J. 2687.
Hourihan,S.L. 3845, 7294.
Hours,C. 5633.
Houstek,J. 5780.
Houston,L.L. 4738, 5905, 6748.
Houts,G.E. 3920.
Houwing,C.J. 1479.
Hovanessian,A.G. 6445, 6647.
Hovemann,B. 749, 4523.
Hovi.T. 3187.
Howard,A. 5554.
Howard,B.H. 899, 3869.
Howard,C.J. 2637.
Howard,E.F. 1245.
Howard,F.B. 4668.
Howard,J.B. 2968.
Howard,J.C. 648, 6244.
Howe,J.G. 4743.
Howe,M.M. 3718.
Howell,B.A. 4422.
Howell,S.B. 5294.
Howell,S.H. 7078.
Howes,N.K. 2944.
Howk,R.S. 3630.
Howley,P.M. 1013, 4331, 6124, 7045.
Hozumi,M. 2368, 4069.
Hozumi,N. 1331, 1625, 2667.
Hrabar,D. 4052.
Hrabec.E. 609.
Hradec,J. 2971, 4128, 4140, 6691.
Hradecna,Z. 7039.
Hrdy,D.B. 5956.
Hrebabecky,H. 71, 84, 3391, 5274.
Hrubesova,M. 1681.
Hruby,D.E. 3805, 5022.
Hruska,F.E. 6593.
Hsia,M.T.S. 7160.
Hsiao,C.-L. 1590, 7247.
Hsie,M.H. 602.
Hsieh.T. 336, 3983.
Hsiung,H.M. 4059.
Hsiung,N. 2951.
Hsu,C.-A. 1237.
Hsu,C.H. 1798.
Hsu,M.-T. 2499, 2549, 2600, 3292, 6808, 7411.
Hsu,T.C. 2865, 3972, 4263.
Hsu,T.W. 2629, 2759, 2768.
Hsu,W.-T. 4235, 5464, 6106, 7134.
Hu,A.W. 648.
Hu,M. 6087.
Hu,N.T. 6139.
Hu,S.-L. 3858.
Hu,S.S.F. 1011, 4164, 6785.
Huang,A.S. 4212, 6792, 6828.
Huang,C.-H. 2858, 6092.
Huang,E.-S. 1296.
Huang,G.-F. 2326.
Huang,H.C. 3387.
Huang,P.C. 1702.
Huang,P.H.T. 2712, 5526.
Huang,R.C.C. 2352, 3005.
Huang,S.-W. 5185.
Huang,W.M. 7261.
Huber,J. 5651.
Huber,J.-P. 6279.
Huber,O. 5651.
Huberman,J.A. 1105.
Hubscher,U. 5638.
Huchtausen,B. 6190.
Hudec,J. 6018.
Hudson,J.B. 1980.
Hudson,J.L. 5181.
Hudspeth,M.E.S. 951.
Huebner,K. 4839, 4867.
Huet.J. 2774, 7318.
Huffman,J.H. 3365.
Hughes,B.G. 473, 7292.
Hughes,D.W. 1382, 1383, 2447, 6773.
Hughes,J. 1409, 2946.
Hughes,J.J. 4079.
Hughes,S. 670, 7057.
Hughes,S.H. 2623, 5228.
Huhn,W. 1215.
Hui,G. 1567, 1652, 3675.
Huisman,J.G. 942.
Hulea,S.A. 6384, 6385.

- Hulhoven, R. 1713, 3198, 7234.
Hull, R. 874.
Hulsebos, T. 2612.
Hulsinga, E. 1849.
Hultin, T. 1174, 1515, 4723.
Humayun, M.Z. 5090.
Humbert, J. 5715.
Hume, D.A. 1141.
Hume, W.J. 1676.
Huml, K. 5778.
Hummel, J. 6970.
Humphrey, J.H. 5684.
Humphreys, G.O. 5588, 6345, 7242.
Humphreys, J. 1875.
Humphreys, T.D. 5994.
Humphries, P. 2599, 4992.
Humphries, S. 6062.
Humphries, S.E. 7434.
Hundert, P. 1084.
Hunger, H.-D. 3777, 5979.
Hunsley, J.R. 7400.
Hunt, C. 954.
Hunt, J.A. 844, 5930.
Hunt, J.P. 119.
Hunt, R.D. 1679.
Hunt, T. 833.
Hunter, J.B. 799.
Hunter, T. 859, 1532, 2396, 3291, 6063.
Hunting, D. 2335.
Huot, A. 3665.
Huppert, J. 745.
Huppi, K. 7089, 4997.
Hurd, R.E. 1391.
Hurkman, W.J. 3474.
Hurlbert, R.B. 355.
Hurley, L.H. 3157, 3167.
Hurwitz, J. 567, 568, 1210, 1744, 1800.
Huse, Y. 398.
Husimi, Y. 2071, 6154.
Hustedt, H. 4692.
Hutchinson, F. 2569.
Hutchinson, M.A. 2396.
Hutchinson, P. 4739.
Hutchison, C.A., III. 744, 2604, 2605, 4998, 6090, 7083.
Hutson, J.C. 3653.
Hutter, K.-J. 1064.
Huttermann, J. 683, 4636.
Huttner, K.M. 7290.
Hutton, J.J. 5019.
Huvsos, P. 1906.
Huybrechts, M. 7227.
Hwang, L.-T. 1239.
Hyde, J.E. 601.
Hyden, H. 253.
Hyman, R.W. 7471, 7472.
Hymer, W.C. 273.
Hyndiuk, R.A. 2337.
Hynes, N. 5973.
Hynes, N.E. 3012, 4754.
Hynes, R. 185.
Hynie, S. 6626.
Hyodo, M. 2100.
Iandolo, J.J. 1281.
Iatrou, K. 6076.
Iba, H. 786.
Ibrahim, M.A.K. 2427.
Ibuka, T. 1665.
Icekson, I. 6005.
Ichihara, A. 4620.
Ichii, S. 6997.
Ide, G. 5207.
Ide, N. 7438.
Ide, T. 2845, 4390.
Idriss Ali, K.M. 6569.
Ierardi, E. 6281.
Ifzal, S.M. 3389.
Igarashi, K. 1002, 1126, 1408, 1918, 2705, 2706, 2933, 4478, 5892.
Igloi, G.L. 183.
Igo Kemes, T. 1775.
Iguma, H. 1999.
Ihara, S. 1178.
Ihler, G. 993.
Ida, H. 464, 5769, 6404.
Ida, S. 5494.
Iinuma, M. 5190.
Iitaka, Y. 398, 501, 1394.
Ikawa, S. 4483, 7327.
Ikawa, Y. 3266.
Ikebe, K. 7409.
Ikeda, H. 2765.
Ikeda, J. 3253.
Ikeda, J.-E. 7132.
Ikeda, Y. 3253, 5122, 5497, 6354, 6401, 7293.
Ikegami, M. 3902, 3905, 4174, 6812.
Ikegami, S. 1193, 2800, 5563.
Ikehara, K. 6404, 6406.
Ikehara, M. 115, 128, 134, 136, 141, 736, 1352, 1368, 1375, 1376, 1843, 1864, 1868, 1871, 2369, 3414, 3423, 3426, 3440, 4054, 5647, 5802, 6631, 6632, 6655.
Ikehata, A. 239.
Ikemura, T. 1592.
Ikenaka, K. 5267, 5270.
Ikezawa, Z. 552.
Ikoku, A. 3717.
Ilicheva, I.A. 977, 7008.
Il'in, V.V. 3287.
Il'inskaya, N.B. 1097.
Il'yenskii, D.A. 6994.
Ilan, J. 2413, 3293, 6722.
Ilduganova, N.A. 237.
Ilinitzskaya, S.I. 5650.
Ilyashenko, B.N. 2606, 4444.
Ilyina, S.I. 5188.
Imahori, K. 5123.
Imai, K. 5881.
Imai, R. 5747, 5763.
Imakubo, K. 95, 6588.
Imamaliyev, A.I. 4916.
Imamoto, F. 1999, 2874, 5432.
Imamura, T. 2411.
Imanaka, T. 5491.
Imaseki, H. 468.
Imayuki, A. 3088.
Imazawa, M. 1823.
Imbach, J.-L. 698.
Imbault, P. 5336.
Imura, M. 3377.
Inagaki, K. 681.
Inagaki, T. 4489.
Inaki, Y. 15.
Incarte, M.R. 3709.
Infante, A.A. 2801, 6915.
Infante, R. 2518.
Ingemann-Jensen, J. 6608.
Ingle, J. 4369, 4823.
Ingles, C.J. 6417.
Inglis, S.C. 6061, 6783.
Ingolia, N.A. 305, 1993, 4848, 5772.
Ingram, D. 4525.
Ingram, R. 266.
Ingram, R.S. 7283.
Ingram, V.M. 6490.
Inman, R.B. 3113, 6144.
Innis, M.A. 4229, 6342.
Inniss, W.E. 5868.
Inokuchi, Y. 6774.
Inomata, M. 1337, 3388.
Inoue, A. 3779, 3854, 5398.
Inoue, H. 1356, 1840, 4425.
Inoue, I. 3404.
Inoue, J. 1841.
Inoue, M. 3171.
Inoue, N. 6265.
Inoue, T. 2780.
Inoue, Y. 502, 4638, 6588.
Inouye, M. 4965, 7061, 7066.
Institoris, E. 1577.
Inui, T. 2926.
Inuzuka, M. 1634, 5590.
Ioannou, P. 2027.
Ioffe, V.A. 3829.
Iontova, I.M. 7024.
Jordan, E.P. 3930, 5072.
Ip, M.M. 7425.
Ipsen, J. 6608.
Iqbal, Z.M. 3161.
Irie, M. 501, 2175, 2176.
Irvin, G.L., III. 5181.
Irvin, J.L. 339, 592, 596.
Irving, C.C. 6984.
Irwin, R. 6690.
Isaacs, C. 4249.
Isaak, D.D. 4430.
Isackson, P.J. 7423.
Isaksson, L.A. 3896.
Isenberg, J. 1249.
Ishaq, M. 762.
Ishay, J.S. 1161.
Ishibashi, S. 4390.
Ishibashi, T. 557.
Ishida, N. 5280.
Ishida, S. 2228.
Ishido, Y. 54, 139.
Ishihama, A. 1720, 3243, 5145, 5146, 7334, 7336.
Ishii, Y. 2121, 2262.
Ishikawa, E. 6946.
Ishikawa, K. 3632, 6893.
Ishikawa, M. 5060.
Ishikawa, T. 15, 3160, 3162.
Ishikura, H. 696.
Ishino, S. 6406.
Ishiwata, K. 7391.
Ishizaka, Y. 1148.
Ishizaki, K. 239.
Ishizawa, M. 3677.
Ishizuka-Kobayashi, M. 2182.
Ishmuratov, B.Kh. 771, 2388.
Iskhakov, B.K. 3491.
Isogai, Y. 688.
Isono, K. 691, 2642, 5893, 7065.
Israel, M.A. 3845, 5093, 5094, 6124, 7294.
Israeli, Y.A. 4929.
Istock, C.A. 7267.
Itakes, A.K. 1113, 2355, 2357, 4064, 7033.
Itaya, M. 502.
Itaya, T. 2307, 4631.
Itikawa, H. 6319.
Itkes, A.V. 1759, 3953.
Ito, J. 2822, 4877, 6147.
Ito, M. 1500, 1501, 7221.
Ito, N. 6861.
Ito, S. 706, 707, 3373, 7147.
Itoh, H. 1824.
Itoh, N. 2400.
Itoh, R. 1217.
Inoue, H. 1356, 1840, 4425.
Itoh, S.Y. 179.
Itoh, T. 5867, 5880.
Izhaki, R.F. 1052, 4276.
Izhaki, S. 2848, 2859.
Ivanik, B.P. 3819.
Ivanov, I. 404, 407.
Ivanov, A.P. 4513.
Ivanov, I.G. 328.
Ivanov, L.L. 5333.
Ivanov, V.I. 1582, 3686, 3698, 4295.
Ivanova, E.I. 137.
Ivanova, G.S. 5125.
Ivanova, I.F. 2911.
Ivanova, T.M. 5268.
Ivanova, T.P. 2330.
Ivanova, V.T. 4534.
Ivanovic, V. 348, 2575, 4896.
Ivanovskaya, M.G. 2359.
Ivell, R. 6755.
Iversen, P. 177.
Ives, D.H. 5646.
Iwabuchi, M. 278, 1180.
Iwahashi, H. 16.
Iwamura, H. 4610.
Iwamura, T. 6866.
Iwasaki, T. 6563.
Iyengar, G.A.S. 3658, 6260.
Iyengar, S.S. 7004.
Iynedjian, P.B. 1956.
Izard, D. 3110.
Izawa, M. 6750.
Jachertz, D. 5182, 7289.
Jachymczyk, W.J. 5553.
Jack, A. 758.
Jack, P.L. 6214, 6215.
Jackle, H. 850, 1954, 7479.
Jackson, A.O. 6787.
Jackson, D.A. 7483.
Jackson, D.S. 6919.
Jackson, E.N. 6157.
Jackson, J. 545, 5640.
Jackson, J.F. 880, 936.
Jackson, J.H. 1407.
Jackson, L.E. 6211.
Jackson, P.J. 2738.
Jackson, R.C. 717.
Jackson, R.J. 833.
Jackson, V. 1764.

- Jacob,H.-E. 1568.
 Jacob,M. 6464.
 Jacob,R.J. 3738.
 Jacob,S.T. 1184, 6881, 7455.
 Jacob,W. 6467.
 Jacobi,J.M. 1651.
 Jacobs,D.M. 4026.
 Jacobs,G. 6914.
 Jacobs,R. 5063.
 Jacobsen,J.V. 2888.
 Jacobson,A. 4169, 4244, 4859.
 Jacobson,G.R. 827.
 Jacobson,L.A. 4701.
 Jacq,C. 5514.
 Jacquemin-Sablon,A. 3231, 3232.
 Jacquemin-Sablon,H. 3231, 3232.
 Jacquemin,P.C. 4533.
 Jacquemond,M. 1480.
 Jacquet,M. 4185.
 Jacquignon,P. 1564.
 Jacrot,B. 1302, 2942, 5855.
 Jaenisch,R. 2740, 4190, 4954, 5232.
 Jagadeeswaran,P. 4179.
 Jagarov,D.E. 4204.
 Jagendorf,A.T. 1446.
 Jaggi,R.B. 4361, 5113.
 Jaggi,W. 3080, 5465.
 Jagiello,G.M. 4262.
 Jago,G.R. 1967, 4036.
 Jagodzinski,L.L. 5001, 7463.
 Jagus,R. 221, 4206, 4747, 6765.
 Jahn,C.L. 5200.
 Jahn,G. 3096, 4301, 6347.
 Jahnke,P. 160, 1386, 744, 6090.
 Jain,K. 5410.
 Jain,M. 5017.
 Jain,S.K. 3943, 6471.
 Jakobsen,A. 5446.
 Jakovic,S. 6815.
 Jakubovic,A. 4836.
 Jakubowski,H. 1406, 3464, 4089, 6687.
 Jalkanen,M.T. 4475.
 James,A. 1721.
 James,A.P. 3679, 5552.
 James,E. 6204, 6207.
 James,P.M. 6204.
 James,T.W. 3656, 4873.
 Jamieson,A.F. 7245.
 Janda,H.-J. 3548.
 Janda,H.-G. 866.
 Jancek,A. 5302.
 Janekovic,D. 7332.
 Janik,B. 156.
 Jankowski,J.M. 7338.
 Janne,J. 3187.
 Janne,O.A. 6008.
 Janowicz,Z. 4684.
 Janowski,M. 2626, 7378.
 Jansone,I.V. 4070, 4772, 1469.
 Janssen,D.B. 1332.
 Jansz,H.S. 1635, 3098, 4316.
 Jantschak,J. 2203.
 Janusonite,L.M. 5172.
 Janvier,M. 6199, 6200.
 Jany,K.-D. 3225.
 Japelj,M. 6610.
 Jara,V. 2731.
 Jardetzky,O. 4569.
 Jardine,N.J. 5666.
 Jariwalla,R.J. 5091.
 Jarkovsky,Z. 7132.
 Jarvest,R.L. 5782.
 Jarvik,V. 6531.
 Jarvis,A.P. 577.
 Jarvis,S.E. 5000.
 Jaskunas,S.R. 2079.
 Jasny,B.R. 4367, 6266.
 Jaspars,E.M.J. 870, 1479, 4782, 5679.
 Jastorff,B. 559.
 Jatoi,I. 7123, 7124.
 Jaton,J.C. 3544.
 Javaherian,K. 6473, 7422.
 Jaworowski,A. 5101.
 Jay,E. 5617.
 Jay,F.T. 3527.
 Jay,G. 6878.
 Jayaraman,K. 4757.
 Jaynes,E.N.Jr. 5890.
 Jazwinski,S.M. 4371.
 Jeannin,G. 2938.
 Jeanny,J.-C. 617, 2255.
 Jeanteur,P. 7318, 7319, 7416.
 Jeep,S. 3012.
 Jefcoate,C.R. 5461.
 Jefferson,L.S. 791, 828, 2401, 2431, 2539.
 Jeffery,W.R. 944, 3517, 3518, 3945, 5245.
 Jeffrey,A.M. 348, 2576, 6972.
 Jeffrey,P.L. 765.
 Jeffs,P. 2720.
 Jehle,E. 5997.
 Jelenec,P.C. 5857.
 Jelinek,O. 4611.
 Jelinek,W. 1464, 1935.
 Jen,S. 753.
 Jenkins,F. 4103.
 Jenkins,J.R. 7084, 7279.
 Jenni,B. 1616, 6224.
 Jense,H. 822.
 Jensen,D.E. 1378.
 Jensen,E.G. 3256.
 Jensen,K.F. 1218, 6573.
 Jensen,K.J. 1212.
 Jentsch,K.D. 7371.
 Jeppesen,P.G.N. 1770.
 Jerina,D.M. 1090, 7181.
 Jernigan,H.M., Jr. 339, 592.
 Jernigan,R.L. 4288.
 Jernstrom,B. 1562, 2055, 4897.
 Jerzmanowski,A. 3879, 3966.
 Jeter,J.R., Jr. 454.
 Jewsbury,J.M. 1219.
 Jezo,P. 4307.
 Jezowska-Trzebiatowska,B. 5784.
 Jiang,J.B. 1354.
 Jilka,R.L. 4857.
 Jimenez,A. 3501, 4727.
 Jinks,C.S. 6363, 6727.
 Jirgensons, B. 512.
 Joachimiak,A. 2392, 5831.
 Job,L. 5642.
 Jochimsen,B. 6374.
 Jockusch,B.M. 4488.
 Joel,D.D. 4046.
 Joenje,H. 543.
 Joester,K.-E. 1197.
 Joester,W. 1197.
 Jofre,J. 7223.
 Joh,K. 5602.
 John,T.D. 838.
 Johns,E.W. 1262, 3308.
 Johns,K.W. 43, 1838.
 Johns,V. 7131.
 Johnson,L.K. 277.
 Johnson,L.R. 430.
 Johnson,W.C., Jr. 6198.
 Johnson-Thompson,M. 4646.
 Johnson,A.G. 2825.
 Johnson,B.E. 4009.
 Johnson,C.E. 1100.
 Johnson,D.A. 6137.
 Johnson,E.M. 3762, 4349.
 Johnson,I.S. 4587.
 Johnson,L.K. 2192, 2193, 7335, 7445.
 Johnson,L.R. 4393, 5025.
 Johnson,M.I. 2096.
 Johnson,N.P. 5138, 7189.
 Johnson,P.H. 951.
 Johnson,R.C. 1655, 7166.
 Johnson,R.T. 3053, 4392, 5469, 6292, 6303, 6308.
 Johnson,S.A. 6723.
 Johnson,S.M. 5164.
 Johnson,T.C. 288, 4254.
 Johnson,W.C., Jr. 3689.
 Johnsrud,L. 2788, 3754, 5099.
 Johnston,A.W.B. 3851, 5104.
 Johnston,C. 1258.
 Johnston,D.A. 2015.
 Johnston,D.E. 3247.
 Johnston,F.P. 2049.
 Johnston,G.C. 1969, 3015.
 Johnston,K. 4743.
 Johnston,L.H. 2684, 3276, 4399, 5111.
 Johnston,P.D. 1877, 6667.
 Joicey,D.H. 1591.
 Joklik,W.K. 2287, 5380.
 Jolicoeur,P. 4258.
 Jolly,J.F. 6001.
 Jomantas,Yu.V. 6346.
 Jonak,J. 5910.
 Jonard,G. 1480, 4177.
 Jonathan,P. 2274.
 Joneczyk,P. 5030.
 Jones,A.S. 703, 1834, 6567, 6600, 6635, 6636.
 Jones,B.R. 2908.
 Jones,G.H. 6926.
 Jones,G.M. 349, 5671, 6516.
 Jones,K. 836.
 Jones,K.C. 4873.
 Jones,K.W. 3239, 3976, 4149, 5922.
 Jones,M.D. 6635, 6636.
 Jones,M.H. 2925.
 Jones,M.O. 3603.
 Jones,N. 7109.
 Jones,O.W. 1551.
 Jones,P.C. 6819.
 Jones,P.G. 151, 1381.
 Jones,R.L. 2888, 4282.
 Jones,T.A. 4077.
 Jongen-Neven,I. 3904.
 Jopec,C.A. 3656, 3657.
 Jorcano,J.L. 371, 3949, 7433.
 Jordan,D.O. 2048.
 Jordan,E. 1522.
 Jordan,F. 1741, 3269.
 Jorgensen,P. 6374.
 Jorgensen,R.A. 3095.
 Jorgenson,K.F. 1785, 2049.
 Jose Rivera,M. 379.
 Jose,J.G. 2710.
 Joseph,E. 1540, 1880, 6853.
 Joshi,P.C. 2909.
 Joshi,P.N. 3271.
 Jost,J.-P. 2469.
 Jou,W.M. 4226.
 Jouanneau,J.-P. 4621.
 Jovin,T.M. 7371.
 Jovine,R. 1765.
 Jucker,R. 2764.
 Jue,R. 2408, 2409.
 Juergelin,H. 6693.
 Juhász,A. 6673.
 Juhl,F. 929.
 Jukes,T.H. 255, 4010.
 Julien,R. 5332.
 Julius,D.J. 2941.
 Julliot,J.S. 7243.
 Jumaguzhin,M.S. 3844.
 Jump,D.B. 4544.
 Jun,H.-K. 2812.
 Jungwirth,C. 866, 2288, 3548.
 Juodka,B.A. 125, 5172.
 Jupp,S. 5077.
 Juretschke,H.-P. 3224.
 Jurkovicova,M. 3742.
 Justesen,J. 6362.
 Juvenal,G.J. 1850.
 Kaariainen,L. 2889.
 Kaback,D.B. 4365, 6132.
 Kacew,S. 7205.
 Kacich,R. 3872.
 Kaczkowski,J. 780, 781.
 Kaczmarczyk,W. 1763.
 Kada,T. 2780.
 Kaden,P. 2115.
 Kadlubar,F.F. 3067.
 Kado,C.I. 1169, 4865.
 Kadota,H. 1604.
 Kadouri,A. 2738.
 Kadyckov,V.A. 3320.
 Kadyrova,D.A. 200.
 Kadyrova,A.A. 4849, 4851.
 Kaehler,M. 3524.
 Kaempfer,R. 5918, 5919.
 Kaerlein,M. 4101.
 Kaerner,H.C. 3739, 4327.
 Kaesberg,P. 247, 2005, 5342.
 Kafatos,F. 6936.
 Kaffenberger,W. 6540.
 Kafiani,K.A. 3490.
 Kaftory,A. 1778, 1795, 5579.
 Kagramanova,V.K. 7014, 5383.
 Kahana,C. 6788, 6789.
 Kahl,G.F. 1563.
 Kahl,R. 1563, 5462.
 Kahmann,R. 7035.
 Kahn,M. 6158, 6527.
 Kahn,S.E. 7389.
 Kaina,B. 3139, 6261.
 Kaiser,I.I. 5323, 6661.
 Kaiser,W. 2029, 2030, 2032.

- Kaji,A. 1646, 2759.
Kaji,S. 7197.
Kajiwara,K. 5663.
Kakati,S. 1297.
Kakefuda,T. 6284.
Kakitani,H. 6406.
Kakiuchi,N. 736, 1375, 1868, 2369, 5802.
Kakuta,S. 4261.
Kalacheva,N.V. 2772.
Kalb,R.G. 6708.
Kalb,V.F., Jr. 245.
Kalbermann,L.E. 5544.
Kalichava,G.S. 3990.
Kalinin,F.L. 6048.
Kalinin,V.L. 4395.
Kalinin,V.N. 2397, 2606.
Kalinina,N.O. 5189.
Kalinski,A. 7299.
Kalisch,B.W. 4670.
Kallen,R.G. 554.
Kallenbach,N. 5942.
Kallenback,N.R. 4669.
Kallios,J. 1801, 5470, 5522.
Kalogerakos,T. 5334.
Kalt,M.R. 6036.
Kalter,H.D. 7287.
Kalthoff,K. 850, 7479.
Kaluzhskij,V.E. 5108.
Kalyanaraman,V.S. 504.
Kalyuzhnaya,A.P. 5483.
Kamahora,T. 6775.
Kamata,T. 1779, 5419, 7464.
Kamen,R. 3540, 3541, 3744, 4170.
Kamen,R.I. 1530.
Kameneva,S.V. 2554, 6991.
Kamijo,S. 6898.
Kamikubo,T. 7346.
Kaminek,M. 692.
Kaminir,L.B. 4473, 7306.
Kaminski,Y.L. 2911.
Kamiya,M. 5476.
Kamiya,T. 2216.
Kamp,D. 7035.
Kamzolova,S.G. 6409.
- Kan,G. 1849.
Kan,L.-S. 1827, 2332.
Kan,M.-N.N. 1827.
Kan,Y.W. 1054, 2091.
Kanai,Y. 2222, 2823.
Kanamaru,R. 356.
Kanamori,Y. 3370.
Kanda, F. 278.
Kanda,N. 6509.
Kandel,J. 7298.
Kanduc,D. 748, 5824.
Kaneko,H. 2064, 7025.
Kaneko,I. 1400.
Kaneko,M. 3683.
Kaneko,T. 4336.
Kaneko,Y. 2545.
Kanerva,P.A. 3445.
Kang,C. 5878.
Kang,C.Y. 2231.
Kang,S.K. 1009.
Kaniewski,W. 5385.
Kannagara,T. 6598.
Kano,K. 1805.
Kano,Y. 224, 5432.
Kanta,J. 429, 2133.
- Kanter,P.M. 2588, 6963.
Kantor,F. 6072.
Kantor,J.A. 7288, 7365.
Kantorovich-Prokudina,E.N. 1545, 6085.
Kanungo,M.S. 5660.
Kanzaki,Y. 2729.
Kao,F.-T. 108.
Kaper,J.M. 6896.
Kapili,L. 135, 2362.
Kapitonova,K.A. 6953.
Kapitza,E.L. 6000.
- Kaplan,A.S. 1594.
Kaplan,B.B. 2474.
Kaplan,D.A. 4264.
Kaplan,J.-C. 561, 7120.
Kaplan,S. 7248, 7325.
Kaplan,S.E. 2126.
Kapp,L.N. 5230, 6330.
Kappen,L.S. 2044, 2120, 3079.
Kaprano,M.N. 3223.
Kaptejn,R. 2364.
Kapuscinski,J. 344, 6638, 6967.
Karagoyozov,L.K. 1728.
Karakulov,R.K. 4433.
Karalova,E.M. 1670, 2131.
Karam,J. 4210, 4311.
Karamanukyan,A.K. 1523.
Karamov,E.V. 5136, 7326.
Karamysheva,A.F. 4904.
Karasek,M.A. 3351.
Karathanasis,S.K. 5388.
Karavanov,A.A. 6902.
Karimov,M. 1122.
Karlberg,I. 7216.
Karmysheva,V.Y. 4513.
Karpeisky,M.Ya. 4479, 5275, 1158, 3885, 5752.
Karpetsky,T.P. 6388.
Karpova,G.G. 327, 361, 970, 5492, 6645, 6961.
Karr,B.M. 5053.
Karran,P. 2214, 7146.
Kartha,S. 6868, 7196.
Karyagina,A.Yu. 6493.
Kasai,H. 1228, 3453, 5171.
Kasai,K. 1146.
Kasai,T. 697.
Kasambalides,E.J. 5864.
Kaschintz,R. 4095.
Kaschka-Dierich,C. 4952, 7054.
Kascsak,R.J. 1472.
Kashiwagi,K. 5892.
Kashkin,A.P. 1254.
Kasi,H. 74.
Kasprisin,D.O. 1897.
Kass,N. 3909.
Kassavetis,G.A. 2632.
Kassir,Y. 3178.
Kastan,M.B. 7170.
Kastern,W.H. 7357.
Kastrup,R.V. 1862.
Katagiri,K. 3536.
Kataoka,K. 443.
Kataoka,T. 2917, 5524.
Katayama,A. 6946.
Katayose,A. 4417.
Kates,J.R. 2732, 3805, 5022.
- Kato,A. 6023.
Kato,F. 4265, 6100.
Kato,H. 5563, 6509.
Kato,M. 129, 171, 6672.
Kato,T. 464, 3666, 5743, 6265.
Kato,Y. 4425.
Katomski,P.A. 3065, 6973.
Katouzian,M. 1224.
Katsumata,T. 218, 219.
Katunin,V.I. 5894.
Katunuma,N. 4653.
Katz-Wurtzel,E.T. 7061, 7066.
Katz,A. 3035.
Katz,D.J. 100.
Katz,E. 6703.
Katz,R.A. 3403.
Katz,J.R. 1403, 2934, 6684.
Katzmann,J. 1239.
Kauc,L. 5137.
Kauff,R.A. 1648.
Kaufman,D.G. 1074.
Kaufman,E.R. 4049.
Kaufman,R.J. 1694.
Kaufman,S. 6578.
Kaufman,S.L. 4756.
Kaufman,T.C. 5227.
Kaufmann,R. 3032.
Kaul,B.L. 5716.
Kaulfers,P.-M. 3096, 4301, 6347.
Kaur-Sawhney,R. 1153.
Kaur,S. 4757.
Kaverin,N.V. 898, 4291, 6827.
Kavsan,V.M. 2481, 3648, 3777, 4225.
Kavunenko,A.P. 1151.
Kawaguchi,Y. 6898.
Kawahara,M. 2828.
Kawai,H. 4610.
Kawai,S. 6100.
Kawajiri,K. 5460.
Kawakami,K. 7334.
Kawakami,M. 4546, 5524.
Kawakami,T.G. 2454, 2754.
Kawakita, N. 556.
Kawakita,M. 2520.
Kawamura,F. 3253, 6354.
Kawamura,M. 4421.
Kawamura,Y. 1220.
Kawanishi,M. 6557.
Kawano,K. 673.
Kawasaki,E.S. 5930.
Kawasaki,H. 3088, 4612.
Kawase,S. 1009, 2130, 7439.
Kawashima,S. 2040.
Kawiak,J. 7387.
Kay,E. 5203.
Kay,J.E. 1926.
Kay,P.H. 1754.
Kaye,A.M. 542.
Kaye,J. 5285.
Kaynova,A.S. 3836.
Kayushin,A.L. 5796.
Kaz'min,S.D. 4712.
Kazachkov,Y.A. 1866.
Kazama,H. 2555.
Kazatchkov,Y.A. 3435.
Kazarian,H.H. 256, 3644.
Kazimierzczuk,Z. 23.
Kaziyo,Y. 4446, 5913, 5914, 5915, 7246.
Kearns,D.R. 3078, 5217.
- Keary,P.J. 2319.
Keck,J.H., Jr. 1803.
Keck,K. 2757, 7473.
Kedes,L.H. 1727, 2977, 5975, 6041.
Kedzierski,W. 6685.
Keegstra,W. 3098, 4316, 7081.
Keeling,J. 7414.
Keem,K. 1135.
Keenan,E. 1677.
Keene,D.J. 1478.
Keesey,J.K., Jr. 7277.
Keichline,L.D. 3315.
Keir,H.M. 2528, 4156, 4762, 5576.
Keister,T. 1225.
Keith,G. 1876, 2382, 2386, 2935, 4081.
Keith,J.M. 296.
Keithley,D. 6515.
Kejzarova-Lepesant,J. 1510.
Kellems,R.E. 4252.
Keller,G.H. 3591.
Keller,M. 7291.
Keller,P.M. 3922.
Keller,W. 1934, 3314, 4776.
Kellermann,O. 772, 773.
Kelley,D.E. 4839, 6929.
Kelley,W.N. 103, 562, 569, 5701.
Kelley,W.S. 6428.
Kelly,K.H. 4488.
Kelly,T.J., Jr. 3794, 5503.
Kelman,A.D. 6957.
Kelsey,D.E. 7477.
Kemp,D.J. 313.
Kemp,E. 1677.
Kemp,J.D. 4933, 7183.
Kemper,B. 883.
Kemper,W. 221.
Kempier,G.M. 4863.
Kendal,A.P. 1649, 7343.
Kende,H. 49.
Kenness,J. 6083.
Kennard,O. 151, 1381, 5788.
Kennedy,C. 5103.
Kennedy,D.S. 2442, 4746, 5928.
Kennedy,P.J. 1027, 5482.
Kennedy,S.I.T. 896.
Kennell,D. 908, 4243.
Kenney,F.T. 275.
Kenny,G.E. 1816.
Kenny,J.W. 3476.
Kent,C. 6440.
Kepas,A. 2209, 6356.
Keppel,F. 7441.
Kepler,D.O.R. 4047.
Keprtova,J. 4438, 5584.
Kerckaert,J.-P. 5676.
Keren-Zur,M. 4105.
Kern,D. 4084, 6699.
Kern,D.H. 3283.
Kern,M. 712.
Keropian,E.A. 7307.
Kerova,N.I. 3890.
Kerr,I.M. 3436, 4672, 4850, 5800, 5818, 6445, 6449.
Kerr,S.J. 4011, 4690, 5265, 6596.
Kersten,W. 233, 1460.
Kersten,H. 783, 4680.

- Kersten, W. 3460.
 Keryer, E. 1692.
 Keshet, E. 5502, 7119.
 Keshgegian, A.A. 7094.
 Kessler, E. 384, 1595, 2625.
 Kessler Ieckson, G. 931, 941.
 Kettmann, R. 1601, 2550, 4091, 7121.
 Kettner, M. 3156.
 Kew, O. 2005.
 Key, J.L. 4186, 4370, 5988.
 Key, H.G. 6514.
 Keyler, D.E. 6651.
 Keynan, A. 1636.
 Keyser, G.E. 6618.
 Kedy, F.J. 4134.
 Khabarova, M.I. 163.
 Khachatourians, G.G. 5119.
 Khafagy, E.Z. 2721.
 Khairtdinova, S.A. 5134.
 Khaitova, N.M. 5537.
 Khamliq, A. 5287.
 Khan, S. 412.
 Khan, F. 3389.
 Khanbabayan, M.V. 1523.
 Khandanyan, A.G. 4474.
 Khandelwal, R.L. 2238.
 Kharchenko, E.P. 2254.
 Kharchan, M.A. 4032.
 Khatoon, H. 2145.
 Khechinashvili, N.N. 803, 1431, 5874.
 Khil'ko, S.N. 6902.
 Khmel'itskiy, A.G. 6634.
 Khodarev, N.N. 5120, 5121, 6040.
 Khodkova, E.M. 6365.
 Khodyeva, S.N. 1410, 3462, 4087.
 Khoe, N. 686.
 Khokhlenko, A.F. 3026.
 Khomutov, R.M. 768, 771, 778, 1373, 1879, 2388.
 Khorana, H.G. 4057, 5792, 5793, 5816, 5817, 5989, 5990.
 Houry, G. 863, 3020, 3727, 6776, 6824, 7046.
 Khovrychev, M.P. 3619.
 Khramenko, G.B. 7194.
 Khrapunov, S.N. 2842.
 Khrpin, Yu. L. 3439, 5819.
 Khrust, Y.R. 1458.
 Khulordava, K.G. 1367.
 Khurgin, Y.I. 4078.
 Khursin, N.E. 3891.
 Khussainova, I.S. 225.
 Khvedynich, O.A. 620.
 Khwaja, T.A. 1371.
 Khym, J.X. 2925.
 Kibe, A. 5027.
 Kidani, Y. 681.
 Kidd, G.H. 4490.
 Kidder, G.W. 2316, 2333.
 Kido, H. 4653.
 Kidson, C. 2584.
 Kidwell, W.R. 603.
 Kiefer, G. 5997.
 Kieff, E. 1005, 2624, 3733, 6178, 7048.
 Kieffer, J.D. 1537.
 Kielland, S.L. 3132.
 Kielland, S.S. 3133.
 Kiemle, P. 678.
 Kieras, R.M. 885, 2404.
 Kierszenbaum, A.I. 1296.
 Kiessling, A.A. 6437.
 Kiggins, J.O., Jr. 2525.
 Kihlman, B.A. 3327.
 Kiknadze, I.I. 1277, 5414.
 Kiko, H. 6167.
 Kikuchi, Y. 664, 7456.
 Kikugawa, K. 94.
 Kilbey, B.J. 2707, 3679, 5552.
 Kilbourn, J.P. 5706.
 Kilkuskie, R. 2670.
 Killingly, D. 1028.
 Killmann, S.-A. 1639, 5790.
 Kilpatrick, B.A. 5945.
 Kiltz, H.-H. 4108.
 Kim, S.-H. 1392, 756, 757, 2306.
 Kim, U.H. 5663.
 Kim, W.H. 6977.
 Kim, Y. 7123, 7124.
 Kim, Y.B. 1103.
 Kim, Y.S. 7123, 7124.
 Kimball, R.F. 6548.
 Kimchi, A. 2217, 5917.
 Kimmel, A.R. 396, 4788.
 Kimsanbaev, Kh. Kh. 4916.
 Kimura, J. 1839.
 Kimura, K. 695.
 Kimura, M. 1821, 4529.
 Kimura, N. 4261.
 Kimura, S. 3227, 4612.
 Kimura, T. 1665.
 Kindas-Mugge, I. 5707.
 Kindle, K.L. 1613, 2070, 2164, 5970.
 King, C.R. 7280.
 King, C.T. 5617.
 King, G.J. 7261.
 King, H.W.S. 2060.
 King, J. 1886.
 King, J.M. 2527.
 King, W. 2624.
 Kingham, J.G.C. 2829.
 Kingsbury, D.W. 836, 1798, 6466.
 Kinniburgh, A.J. 881.
 Kinoshita, M. 679, 1701, 1829, 5730.
 Kinouchi, Y. 4113.
 Kinross, J. 3239, 4149.
 Kinscherf, T.G. 3856.
 Kinsella, A.R. 3323.
 Kintner, C.R. 7049.
 Kioussis, D. 7283.
 Kiper, M. 2676, 4292, 4841.
 Kiraly, I. 1497, 6673.
 Kirillov, S.V. 820, 821, 1173, 1447, 2405, 5894, 6741.
 Kirimura, J. 694.
 Kirkegaard, K. 643.
 Kirn, A. 2398, 6599.
 Kirnos, M.D. 6146.
 Kirpichnikov, M.P. 6620, 3415, 6474.
 Kirsch-Volders, M. 3200.
 Kirsch, W.M. 1903.
 Kirschbaum, B.B. 188.
 Kirschner, M.W. 1463.
 Kirsten, W.H. 2919.
 Kirveliene, V. 125.
 Kiselev, F.L. 2991.
 Kiselev, N.A. 3487.
 Kiselgof, E.I. 4480.
 Kishchenko, G.P. 966, 2869.
 Kishi, T. 3378, 4639.
 Kishida, K. 5892.
 Kisilevsky, R. 813, 2417, 4154, 4740.
 Kisilina, O.S. 4944.
 Kisling, U. 4851.
 Kisliuk, R.L. 2343, 2820.
 Kiss, A. 1714, 2165, 3870, 4974.
 Kiss, I. 3870.
 Kisselev, L.L. 3463, 4070, 5708, 5854.
 Kistenmacher, T.J. 36, 671, 1857, 5786.
 Kister, A.E. 977.
 Kistler, A. 911.
 Kita, T. 3779, 3854, 5398.
 Kitagawa, T. 2734, 3160, 3162.
 Kitagawa, Y. 5861.
 Kitahara, K. 64.
 Kitajo, A. 77.
 Kitakawa, M. 2642, 7065.
 Kitamura, A. 4421.
 Kitamura, K. 174.
 Kitamura, N. 6786.
 Kitaoka, Y. 3392, 6616.
 Kitayama, S. 1148, 5039.
 Kittler, L. 3084.
 Kitzis, A. 1283.
 Kizer, D.E. 847, 4422.
 Klagsbrun, M. 2139.
 Klahr, C. 5269.
 Klambt, D. 3448.
 Klarner, R. 4889, 5455.
 Klass, M.R. 4986.
 Klaus, E. 1563, 5462.
 Klaus, S. 7039.
 Kleckner, N. 4935, 4936.
 Kleczkowski, K. 7338.
 Klee, C.B. 550.
 Klee, H.J. 1398.
 Kleihues, P. 2580, 3673.
 Kleiman, D. Pisarev, D.L. 6014, 1850.
 Klein, A. 5020.
 Klein, B. 7265.
 Klein, B.E. 5174.
 Klein, G. 317, 360, 716, 1128, 1543, 2102, 2277, 4387, 7051.
 Klein, J. 5684.
 Klein, R.D. 6364.
 Klein, R.S. 1807.
 Klein, W. 6890.
 Klein, W.H. 304, 2658.
 Kleiner, G.I. 5127.
 Kleinsmith, L.J. 605, 7484, 312, 3346, 3347, 3348.
 Kleinwachter, V. 4889, 5455.
 Kleitke, B. 2519.
 Kleihues, P. 2054.
 Klement, V. 6359.
 Klemparskaya, N.N. 3287.
 Klempauer, K.-H. 1269.
 Kleppe, K. 1198, 1749, 5253.
 Klett, H. 2354, 3011.
 Klevan, L. 1282, 1284, 4294.
 Klier, A. 1502.
 Klimas, R.A. 6784.
 Klimenko, A.I. 1264.
 Klimov, A. 7114.
 Kline, B.C. 4442.
 Klinkert, J. 5020.
 Klippenstein, G.L. 1232.
 Klomfass, M. 4468.
 Klootwijk, J. 4180.
 Klotz, G. 7020.
 Klotz, L.C. 1606, 7069.
 Klubes, P. 689.
 Klug, A. 2274, 7323.
 Kluge, A.F. 1342.
 Kluge, S. 3625, 6601.
 Klump, H. 739, 2041.
 Klyagina, V.P. 163.
 Klyashchitskii, B.A. 3525, 2443.
 Klysik, J. 1626.
 Klyszejko-Stefanowicz, L. 1767, 1317, 609.
 Kmiec, P.J. 5181.
 Knable, T. 164.
 Knalman, M. 4803.
 Knauf, F. 822, 4132, 6062.
 Kneale, G.G. 1251.
 Knebel, K.D. 323.
 Knesek, J.E. 2974.
 Knight, R.C. 4284.
 Knipe, D.M. 385, 3734, 3735.
 Knippers, R. 647, 3303.
 Knobler, C.M. 7437.
 Knoel, W. 5452, 6236, 6806.
 Knoop, B. 445.
 Knopf, K.W. 6273.
 Knorre, D.G. 137, 2445, 4076.
 Knorre, V.L. 2445, 2790, 5619.
 Knutson, J.C. 1108.
 Knyazev, P.G. 862, 6943.
 Knypl, J.S. 6056.
 Ko, C. 302, 1486.
 Ko, T.-S. 3023.
 Kobayashi, C. 5733.
 Kobayashi, H. 1449.
 Kobayashi, I. 2765.
 Kobayashi, M. 2130, 7439.
 Kobayashi, N. 1646.
 Kobayashi, T. 2917.
 Kobayashi, Y. 1449, 3246.
 Kobe, J. 6610.
 Koblet, H. 5320.
 Koblyakov, V.A. 4904.
 Koch, H. 4181.
 Koch, M.H.J. 1442.
 Koch, M.R. 466, 6317.
 Koch, S. 5148.
 Kocherginskaya, S.A. 6408.
 Kochert, G. 5972.
 Kochetkova, S.V. 4029.
 Kochhar, D.M. 2728.
 Kochman, H. 2505.
 Kochman, K. 2505.
 Kociulek, K. 5577.
 Kodaira, K.-I. 1977, 1641.
 Kodama, M. 735.
 Koehler, J.K. 655.
 Koen, Ya.M. 2529, 3634.
 Koenigsberg, M. 7173.

- Koerner,J.F. 6549.
 Koestner.A. 6110.
 Koetzle,T.F. 676.
 Koffler,D. 7404.
 Koga,H. 1701.
 Koga,K. 713, 1521, 4791, 4822, 6898.
 Koga,S. 81.
 Kogan,E.M. 3438, 4066.
 Kogo.A. 5892.
 Kohase.M. 2303.
 Kohiyama.M. 3796, 4520.
 Kohi,F.-V. 5463.
 Kohler,G. 6054.
 Kohler,K.-H. 6333.
 Kohler,U. 5320.
 Kohli.J. 3443, 5322, 5828.
 Kohli.L. 4683.
 Kohn Prather,R. 7099.
 Kohn,K.W. 349, 350, 961, 1571, 3068, 3672, 6251, 6542, 6959, 6985.
 Kohn,N. 2634.
 Kohne,D.E. 6084.
 Kohnlein,W. 2569.
 Kohwi-Shigematsu,T. 2271.
 Koike.S. 1664.
 Koiso,K. 1110.
 Koizumi.S. 4503.
 Kojima.A. 3404.
 Kojima,M. 1918.
 Kok,I.P. 5500.
 Kokoza,E.B. 6094.
 Kokrashvili,T.A. 3990.
 Kolakofsky,D. 2273.
 Kolar,G.F. 2580.
 Kolb.A. 848.
 Kolchinski.A. 2088.
 Koldovsky,P. 5684.
 Kole.R. 7321.
 Kolenbrander,P.E. 4928.
 Kolenda.H. 6347.
 Koleva,S.T. 1975.
 Koliais,S. 3732.
 Koliais,S.I. 5313, 7262.
 Kolibaba,L.G. 2510.
 Kolik,A.H.J. 2835.
 Kollek.R. 5490.
 Koller.B. 5448.
 Koller,T. 1948.
 Kollman,P.A. 6639.
 Kolmakova,A.A. 4075.
 Kolodkina,I.I. 4056.
 Kolodner,R. 3136.
 Kolomeitseva,V.V. 20.
 Kolomijitseva,G.Ya. 7435, 583, 7410.
 Kolomyitseva,E.N. 1578.
 Kolosov,M.N. 381, 2360, 2615, 2617, 5317, 5795, 5796, 6205.
 Kolter.R. 2150, 2152, 4308, 5590.
 Koltin,Y. 1084, 7298, 7302.
 Koltsov,V.D. 2496.
 Komai,T. 1443.
 Komano,T. 50, 3685, 6268, 6353.
 Komar,V.E. 439, 5426.
 Komaromy,M. 1142, 3790.
 Komatsu,H. 224.
 Komberg,R.D. 7323.
 Kominami,R. 887, 5985.
 Komiya,H. 878.
 Komiya,K. 5043.
 Komolova,G.S. 3070, 4423.
 Koncz,C. 1714.
 Kondo,K. 15, 3404.
 Kondo,M. 1806, 3940, 4265, 6914, 7348, 7462.
 Kondo,T. 24, 4546.
 Kondra,P.M. 2690.
 Kondrat'eva,L.V. 7194.
 Kondratiev,Yu.S. 7140.
 Kondratyeva,N.O. 3668.
 Kong,E.S.W. 4053.
 Kong,P.C. 5725.
 Konieczny,A. 6930.
 Konigsberg,W. 1286, 6521, 7258.
 Konigsberg,W.H. 7457, 7458.
 Konings,R.N.H. 379, 2073, 2494.
 Konishi,Y. 4620, 4660.
 Konjevic,R. 3194.
 Konkel,D.A. 2666.
 Konno,K. 6100.
 Konno.S. 677.
 Kono.M. 3204.
 Kono,R. 1852.
 Kononova,T.A. 1410.
 Kononowicz,A.K. 300, 5151, 6892.
 Kononov,S.A. 3026.
 Konstantinov,A.A. 3634.
 Konstantinovic,M. 6477.
 Koo,R. 229.
 Kook,K. 2752.
 Kool,A.J. 3201.
 Koomey,M. 5944.
 Kooter,J.M. 1628, 3783, 6247.
 Kopecka,M. 4218.
 Kopečný,V. 307.
 Koper-Zwarthoff,E.C. 4175.
 Kopf,F.J. 3073.
 Koplitz,M. 927.
 Kopp,D.W. 3633.
 Kopp,J. 1660.
 Koprowski,H. 1128, 5684, 7449.
 Kopu,H.T. 6008.
 Korchevaya,L.M. 5762.
 Koren,R. 5771.
 Korgaonkar,K.S. 4537.
 Korn,D. 7373.
 Korn,L.J. 3127.
 Kornacka,L. 6845.
 Kornberg,A. 424, 555, 573, 574, 5234, 6381.
 Korneeva,G.A. 5980.
 Korner,I.J. 1660.
 Kornetka,Z. 2439.
 Kornfalt,R. 957.
 Kornfeld,S. 2498.
 Korobitsyn,L.P. 862, 3569, 6257, 6943.
 Korobko,V.G. 381, 2360, 2615, 2617, 5317, 5796.
 Korochkin,L.I. 6052.
 Korogodina,Yu.V. 2062.
 Korolev,P.N. 3619.
 Korolev,V.G. 3596.
 Koroleva,G.E. 2443, 3525.
 Koroleva,O.N. 4662.
 Korotkov,E.V. 4556.
 Korotyayev,A.I. 3026, 7307.
 Korsgaard,B. 6280.
 Korsuize,J. 6398.
 Korte,F. 6890.
 Korvin-Pavlovskaya,E.G. 2131.
 Kosaganov,Yu.N. 1367.
 Koski,R.A. 6372.
 Kossel,H. 142, 7105.
 Kost,A.A. 35, 1377, 5309, 5310.
 Kost,A.N. 6571.
 Kostenko,M.A. 286.
 Koster,H. 734, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2371, 4665, 6336.
 Kosturko,L.D. 4317.
 Kosuge,T. 6988.
 Kosykh,V.G. 1145.
 Kotelianskaya,V.E. 4178, 1426, 5874.
 Kottel,R.H. 1149.
 Koudelka,J. 3668.
 Koudou,S. 156, 5807.
 Kouri,R.E. 4895.
 Kourides,I.A. 3049, 6928.
 Kourilsky,P. 1046, 2665, 3215, 4939, 5114, 6233, 7263, 7270.
 Kourounakis,P. 902.
 Kouzmin,N.P. 1589, 3104.
 Kovacic,R.T. 7003.
 Kovacs,S. 5026.
 Kovacs,S.H. 4686.
 Koval,T.M. 6307.
 Kovalenko,G.A. 2188.
 Kovaleva,G.K. 5854, 6695.
 Kovalevskii,N.A. 5149.
 Kovoov,A. 1111.
 Kowalski,D. 488, 6080, 7299.
 Kowalski,J. 1632.
 Kownatzki,R. 4697.
 Koyama,S. 4610.
 Kozak,C. 4258.
 Kozak,M. 818, 2890, 5903, 6903.
 Koziner,B. 3265.
 Koziolkiewicz,W. 5302.
 Kozlov,A.P. 3002, 7168.
 Kozlov,A.V. 3764, 5869.
 Kozlov,Yu.I. 325, 1121, 5108, 6346, 7396.
 Kozlowska,A. 3040.
 Kozlowski,H. 5784.
 Kozlowski,M.R. 1456.
 Kozlowski,T.T. 5176.
 Kozmyan,L.I. 4339, 7431.
 Kozu,T. 3266.
 Kozyrityskiy,V.G. 293.
 Kra-Oz,Z. 2207.
 Kraal,B. 1920.
 Krackiewicz-Dowjat,A. 4459.
 Kraft-Creech,J. 3468.
 Kraig,E. 5789.
 Krajewska,E. 547.
 Krajewska,W. 609, 1317.
 Krakow,J.S. 1318.
 Kram,D. 1276, 6496.
 Kramer,F.R. 1498, 1932, 5401, 5941.
 Kramer,J. 4337, 6083.
 Kramer,R.A. 1031, 1138, 1139, 3010, 3032.
 Kramerov,D.A. 3559, 5978.
 Krampitz,G. 7214.
 Krasil'nikov,M.A. 5683.
 Krasilnikov,V.A. 1672.
 Kraszewska,E. 1633.
 Kraszewski,A. 2355.
 Kratasyuk,V.A. 5643.
 Kratovich,M. 693.
 Krauskopf,M. 5898.
 Krauspe,R. 6695.
 Krauss,G. 4697.
 Kravchenko,A.I. 2904.
 Kravchenko,L.S. 5358.
 Kravchenko,V.V. 994.
 Kravetskaya,T.P. 4403.
 Krawczyk,Z. 4496.
 Krayev,A.S. 1585, 2654.
 Krayevsky,A.A. 5895, 1319, 4029, 4032, 5356, 5798.
 Kreamer,B.L. 4711, 7160.
 Kreamer,W. 6886.
 Kreber,R.A. 6339.
 Krechetova,G.D. 1704, 6470.
 Krefit,J. 5078.
 Kreis,W. 7101.
 Krell,H. 5675.
 Kremen,J. 2107.
 Kreshkov,A.P. 2305.
 Kress,M. 864.
 Kressmann,A. 6372.
 Kretscher,P.J. 7288.
 Kreutzberg,G.W. 1743.
 Kreutzberger,A. 5726.
 Kreuzaler,F. 3626, 4203.
 Kricheldorf,H.-R. 2041.
 Krichetskaya,A.A. 3939.
 Krieg,L. 2833, 6039.
 Krieg,P. 4993.
 Krieger,M.P. 1667.
 Krick,E. 6980.
 Krick,J. 4111.
 Krikeles,M.S. 6799.
 Krishan,A. 5294.
 Krishnamachari,N. 4079.
 Krishnapillai,V. 5086.
 Kristensen,T. 1231.
 Kristiansen,K. 3500, 4122.
 Kristjansson,J.K. 6096.
 Kritski,G.A. 6120.
 Kritzyn,A.M. 4295.
 Krivisky,A.S. 6111.
 Krivonogov,S.V. 2763.
 Kriz,O. 4128.
 Kroath,H. 866, 2288, 3548.
 Kroeker,W.D. 488.
 Kroger,H. 2995.
 Kroger,M. 2353, 2367, 6700, 6814.
 Krokan,H. 728, 4428.
 Krol,A. 2412.
 Krolow,M. 5142.
 Krone,W. 5410.
 Kronenberg,H.M. 3646, 6923.
 Kronish,J.W. 5634.

- Kroon, A. 4981.
Kroon, A.M. 409, 5528.
Kropf, M.M. 4449.
Krowke, R. 2727.
Krsmanovic, V. 6414.
Kruckeberg, W.C. 1221.
Krueger, R.C. 1267, 4543.
Krug, H. 3321.
Krug, R.M. 894, 1963, 3580, 4778.
Kruger, A. 3500, 4122.
Kruger, C. 3001.
Kruger, D.H. 5594.
Kruh, T.R. 120, 1862, 2058.
Kruh, J. 1283, 4553, 4917, 6482.
Kruiswijk, T. 811, 816.
Krumlauf, R. 7073.
Krupnova, G.F. 4410.
Krupp, G. 6772.
Kruppa, G. 42.
Kruppa, J. 3489, 6657.
Kruse, C.W. 684, 5300.
Krust, A. 2665, 3215, 4992, 5608, 6233.
Krutilina, A.I. 327, 5492.
Krutyakov, V.M. 4403.
Krych, M. 5029.
Krylov, A.S. 3061, 3432.
Krynetskii, E.Yu. 730.
Krystal, M. 3785.
Krzyzek, R.A. 3542.
Krzyzosiak, W.J. 18, 5272.
Kubat, B. 2200.
Kubinski, H. 3069.
Kubinski, Z.O. 3069.
Kubitschek, H.E. 633, 2264.
Kubler, O. 1948.
Kubli, E. 3444, 5839, 5840, 6682.
Kubo, M. 2874.
Kubo, S. 5384.
Kubota, Y. 6103, 6966.
Kucera, L.S. 2698, 6441.
Kuchino, Y. 171, 3453, 4600, 6672.
Kudelin, B.K. 2911.
Kudler, L. 7471.
Kudo, T. 1722.
Kudrin, V.S. 4299.
Kudryashova, N.V. 4516.
Kudryavtsev, B.N. 3829, 4259.
Kudryavtseva, M.V. 3829, 4259.
Kuehl, L. 6754, 7429.
Kuehn, G.D. 2846, 7427.
Kuemmerle, N.B. 7189.
Kuenzle, C.C. 5501, 5638.
Kuff, E.L. 4162, 5374.
Kugler, G. 1818.
Kuhara, S. 6898.
Kuhberger, R. 2425.
Kuhl, W. 4512.
Kuhlbrandt, W. 2410.
Kuhlmann, K.F. 1572.
Kuhlmeyer, J. 4698, 6696.
Kuhn, C. 7412.
Kuhn, C.W. 4820.
Kuhn, E. 3548.
Kuhn, J. 6740, 6854.
Kuhn, O. 2976.
Kuhn, S. 3758.
Kuijk, M.G. 6175.
Kujawa, C. 5514.
Kukhanova, M. 5895.
Kukhanova, M.K. 4029, 5356.
Kukita, T. 1208.
Kukla, B. 4177.
Kukushkina, G.V. 6293.
Kula, M.-R. 4692.
Kulaev, I.S. 1889.
Kulay, L.Jr. 4424.
Kulick, D. 2773.
Kulikowski, R.R. 890.
Kulikowski, T. 78, 5264.
Kulkarni, M.S. 1092.
Kulkarni, S.B. 6504, 6831.
Kulminkaya, A.S. 2131.
Kulonen, E. 4475.
Kumagai, H. 3685, 4478.
Kumar, A. 7455.
Kumar, S. 6017.
Kumar, S.A. 1318, 5682.
Kumaran, A.K. 5572.
Kumarasamy, R. 7360.
Kumaroo, K.K. 596.
Kummen, M. 3199.
Kummert, J. 873, 1601, 7121.
Kumura, K. 5175.
Kumzawa, Z. 4610.
Kun, E. 3597.
Kundu, A.B. 4901.
Kung, H.-F. 934, 1921, 6674.
Kung, H.-J. 670, 2623.
Kung, P.C. 1201.
Kunicki-Goldfinger, W.J.H. 4458, 4459.
Kunkel, G. 3962.
Kunkel, G.R. 2240.
Kunkel, L.M. 6249.
Kunkel, R.A. 1199.
Kunkel, T.A. 5155, 6435, 7370.
Kunori, T. 2137.
Kunst, A. 811.
Kunz, G. 2084.
Kunz, W. 3032, 6970.
Kunzler, P. 5204.
Kuo, C.-H. 3641.
Kuo, I. 1569.
Kuo, M.T. 3776.
Kuoros, M. 3032.
Kupper, H. 5990.
Kupriyanova, F.G. 5616, 5134.
Kurakina, M.N. 913.
Kuramochi, T. 4638, 6588.
Kuran, H. 6892.
Kuras, M. 3402.
Kurata, H. 973, 3154.
Kurata, K. 321, 2742.
Kurata, N. 7221.
Kurata, S. 268, 1491, 1521, 4822, 5416, 6871.
Kurbatov, V.A. 6094, 740, 4516.
Kurek, M.P. 7082.
Kurinenko, B.M. 2772.
Kurland, C.G. 5, 1430, 5857.
Kurnit, D.M. 2090.
Kurochkin, A.V. 6474.
Kuroda, T. 4615.
Kurohara, K.K. 7165.
Kurokawa, T. 1002, 1126, 5280.
Kurosaka, K. 5738.
Kurth, P.D. 2261.
Kurtz, D.T. 1893, 1895, 4006.
Kurtz, W.H. 5568.
Kurz, Ch. 4315, 3102.
Kushch, A.A. 2251.
Kushner, I. 7405, 7408.
Kushner, S.R. 5076, 5603.
Kusmierik, J.T. 61.
Kussova, K.S. 1429, 2966.
Kusuda, J. 5609.
Kutsenko, N.G. 5045.
Kutter, E.M. 2095.
Kuvshinov, N.N. 6839.
Kuwabara, M. 6989.
Kuвано, M. 5424, 7271.
Kuwata, T. 1109.
Kuykendall, L.D. 6368.
Kuznetsov, I.A. 5474, 5478.
Kuznetsov, O.K. 6943.
Kuznetsova, E.D. 2470, 3558.
Kuznetsova, L.V. 4395.
Kwant, M.M. 4510.
Kwee, S. 6133.
Kwiatkowska, J. 1320.
Kwiatkowska, M. 6494.
Kwiram, A.L. 2046.
Kwoh, D. 5242.
Kwoh, T.J. 7190.
Kwon, B.-S. 1846.
Kwong, T. 3443.
Kyner, D.A. 1106.
Kyogoku, Y. 16, 673.
La Bonnardiere, C. 4194.
La Cour, T.F.M. 2967.
La Placa, M. 7459.
La Torre, J.L. 845.
Laass, W. 1346.
Labarca, C. 3643.
Labouesse, B. 6693.
Labouesse, J. 2382, 5834, 6693.
Lacasa, M. 6176.
Lachowicz, R. 1420.
Lacks, S. 6357.
Lacks, S.A. 3299.
Lacroix, J.P. 873.
Lacroute, F. 1991, 2999, 7351.
Lacy, E. 2562.
Ladner, M.B. 6370.
Ladygin, V.G. 3765, 5443.
Laemmli, U.K. 3722.
Laerum, O.D. 4874.
Lafferty, J. 3936.
Lafforet, D. 5556.
LaFiandra, A.J. 6907.
Lafleur, G.J. 3041.
Lafontaine, J.G. 416, 3137, 5008.
Lagerkvist, U. 5832, 5833.
Laguens, R.P. 5179.
Lahajnar, G. 4918.
Lahav, N. 5794.
Lahita, R.G. 7404.
Lai, E.C. 483.
Lai, M.M.C. 1011.
Lai, C. 2658.
Lai, C.-J. 863, 3020, 6776.
Lai, E.C. 402, 3772, 4362, 4467, 5520.
Lai, M.M.C. 4164, 6785.
Lai, S.-T.F. 6556.
Laib, R.J. 4768.
Laine, B. 5676.
Lake, J.A. 3479, 5877.
Lakeman, A.D. 4950.
Lakhotia, S.C. 6230.
Lakhtin, V.M. 6120.
Lam, K.S. 832.
Lam, M.K.T. 5875.
Lamb, R.G. 19.
Lambert, B. 3183, 4402, 7177.
Lambert, J. 7152.
Lambert, J.M. 2408, 2409.
Lambert, M.W. 6379.
Lambotte, C. 6.
Lambourg, M.R. 5248.
Lambowitz, A.M. 5604, 6028.
Lamdan, S. 1581.
Lampen, J.O. 5822.
Lampo, A. 6444.
Lan, N.C. 7445.
Lancaster, W.D. 2630, 3052.
Lancelot, G. 3369, 6558.
Lanclos, K.D. 2440, 3048.
Land, E.J. 6560.
Land, H. 484, 846, 3128, 3600.
Landefeld, T. 315.
Lander, M.R. 6878.
Landini, M.P. 7459.
Landsolph, J.R. 4645.
Landsberg, R. 5836.
Landt, M. 570.
Landureau, J.-C. 6324.
Landy, A. 1020, 1584, 3714, 4342, 4968.
Lane, C. 314.
Lane, D. 7239.
Lane, H.E.D. 7245.
Lang, C.A. 534, 1192.
Lang, D. 2609, 4925.
Lang, H. 4946.
Lang, M.C. 4893.
Lange-Gustafson, B. 6151, 6152.
Lange, B. 2858.
Lange, D. 5452.
Lange, M. 6037.
Langemeier, P.W. 5807.
Langen, P. 87.
Langenbuch, J. 6501.
Langer, J. 2439, 5728.
Langer, V. 5778.
Langley, C.H. 3768.
Langley, D. 842, 1723.
Langlois, R.G. 2547, 5229.
Langridge, W. 6188.
Lanin, V.N. 2932.
Lanir, A. 5783.
Lanka, E. 1303, 4108, 7394.
Lanks, K.W. 5864.
Lanneau, M. 2852.
Lanzov, V.A. 2763.
Lapeyre, J.-N. 6255.
Lapashvili, G.N. 144.
Lapierre, H. 5924.
Lapik, A.S. 2188.
Lapointe, J. 4084.
Laporte, M. 5066.
LaPorte, P. 387.
Laquidara, M. 1637.
Lara, F.J.S. 3642, 4991.
Larina, E.I. 4196.
Larive, A. 6173.

- Lark, C. 3795.
 Lark, C.A. 3176.
 Lark, K.G. 2738, 3176.
 Larkins, B.A. 3474, 6723.
 Larner, E. 7122.
 Larsen, C.J. 2477, 4207, 6465, 6597.
 Larsen, J.K. 1547.
 Larsen, L.D. 3702.
 Larson, A.C. 2346.
 Larson, D.L. 1354.
 Larson, J.E. 6141, 6144.
 Larsson, A. 3186.
 Larwood, D. 6580.
 Lasatzity, D. 6673.
 Laschi, F. 1856.
 Lashkevich, V.A. 3046.
 Laskey, R.A. 2256.
 Laskowski, M. 1144.
 Laskowski, M., Sr. 2778, 7299.
 Lasky, L. 2844, 3557, 3575, 4814.
 Laspia, M.F. 6306.
 Lass, J. 3409.
 Lassota, Z. 6762.
 Last-Barney, K. 4037.
 Lastick, S.M. 4013.
 Laszlo, P. 6622.
 Lasztity, D. 1497.
 Lataret, R. 3173.
 Laten, H. 1395.
 Lathe, R. 2891.
 Latorella, A.H. 5057.
 Latos, A.M. 5183.
 Latt, S.A. 419, 1631.
 Lau, A.F. 3542.
 Lau, A.S. 4536.
 Lau, C.K. 5208.
 Lau, E.Y. 5278.
 Lau, L.C.-T. 1526.
 Lau, P.-Y. 1827.
 Lau, P.P. 3888, 6948.
 Lau, R.H. 3700.
 Laub, O. 3582, 4172, 4193.
 Lauer, J. 2562.
 Laufs, R. 3096, 4301, 6347.
 Laughlin, C.A. 3724.
 Laughrea, M. 196, 824, 5871.
 Lailhere, J.-P. 2094, 5420.
 Laurent, G.J. 1892.
 Lauzon, G.J. 2351.
 Laval, J. 5709.
 Lavallee, D.K. 1157.
 Lavelle, D. 1239, 2538.
 Lavers, G.C. 5860, 6034.
 Lavery, R. 3368.
 Lavi, S. 6788.
 Lavi, U. 918.
 Lavialle, C. 1131.
 Lavin, M. 2584.
 Lavin, M.F. 440.
 Lavrik, O.I. 775, 1410, 1411, 4087, 4696.
 Law, D.J. 3029.
 Law, M.-F. 990, 4331, 6124, 7045.
 Law, M.L. 108.
 Law, R.E. 5761.
 Law, S.W.T. 5936.
 Lawhorne, L. 2873.
 Lawless, J.G. 2909.
 Lawley, P.D. 1566.
 Lawn, R.M. 2563, 6373.
 Lawrence, A.E. 6678.
 Lawrence, F. 2376.
 Lawrie, S. 3055.
 Lawson, D.M. 1983.
 Lawson, G.M. 6487.
 Lawson, R. 1677.
 Lawther, R.P. 2383, 3024.
 Lax, S.R. 4141.
 Layton, W.J. 4031.
 Lazar, J.M. 7401.
 Lazarow, P.B. 6920.
 Lazarus, H. 5531.
 Lazarus, H.M. 5075.
 Lazdunski, C. 787, 2959.
 Lazowskaj, J. 5516.
 Lazurkin, Yu.S. 3982, 1367, 5496.
 Lazzarini, R.A. 1478, 1945.
 Le Bret, M. 370, 3232.
 Le Goff, L. 4862.
 Le Hegarat, F. 1792.
 Le Meur, M. 4939, 4992, 1047.
 Le Minor, L. 3688.
 Le Pecq, J.-B. 1573, 6082, 6117.
 Le Pennec, J.-P. 1046, 2665, 3773, 4939, 6235, 5114.
 Lea, M.A. 466, 6317.
 Leach, A. 1875.
 Leach, M. 4210.
 Leader, D.P. 201, 206, 516, 814, 1427, 2418.
 Leal, J. 4208.
 Leary, J.V. 6367.
 Leaver, C.J. 1962.
 Lebastard, M. 3343.
 Lebeau, M.-C. 1777.
 Lebedev, A.N. 6408.
 Lebedev, A.V. 137.
 Leber, B. 6341.
 Leberman, R. 4745, 5360, 6623.
 Lebeurier, G. 5680, 6196.
 Lebleu, B. 2520.
 LeBon, J.M. 1169.
 Lebon, P. 2229.
 Lebovitz, H.E. 6033.
 Lebowitz, P. 248, 1942, 3546, 4779.
 Leboy, P.S. 180.
 Lebwol, O. 7402.
 Lecadet, M.-M. 1502.
 Leclerc, H. 3110.
 Ledebor, A.M. 2024.
 Leder, A. 2668.
 Leder, P. 2666, 2668, 2871, 5254, 7091, 7255, 7285.
 Lederberg, E.M. 6344.
 Lederer, E. 1848, 2376, 5838.
 Lederrey, C. 589.
 Ledford, B.E. 3249.
 Ledinko, N. 4382.
 Ledneva, R.K. 1377, 5309, 5310, 5814.
 Ledoigt, G. 5354, 6733.
 Lee, A. 690.
 Lee, B.T.O. 7148.
 Lee, C. 912.
 Lee, C.-G. 2981, 2349.
 Lee, C.-H. 2930.
 Lee, C.C. 3394.
 Lee, C.L.H. 6983.
 Lee, C.S. 3975.
 Lee, D. 5001, 7463.
 Lee, D.C. 5608.
 Lee, G.T.-Y. 2010, 6059.
 Lee, I.P. 6987.
 Lee, J.J. 4642.
 Lee, J.S. 333, 4927, 6137, 6904.
 Lee, J.W.C. 276.
 Lee, J.Y.B. 1423.
 Lee, K. 6629.
 Lee, K.-H. 1663, 1665.
 Lee, K.-L. 275.
 Lee, K.S. 1284.
 Lee, S.-C. 3190.
 Lee, S.H.S. 4515.
 Lee, T.N.H. 3826.
 Lee, W.D. 3406.
 Lee, W.H. 2925.
 Lee, Y.-H. 7365.
 Lee, Y.-S. 4328.
 Lee, Y.F. 4169, 4859.
 Lee, Y.J. 2314.
 Leenhouts, H.P. 432.
 Leeper, D.B. 7209.
 Leer, J.C. 1968, 2215, 5411.
 Lees, L.J. 222.
 Lees, R.G. 5793, 5816, 5817.
 Leeson, E. 2816.
 Lefevre, J.C. 5107.
 Lefkowitz, D.M. 7166.
 Leger, C. 5068, 7217.
 Legg, A. 7127.
 Legg, M.J. 7300.
 Legocki, A.B. 4242, 6930.
 Legon, S. 3540, 3541.
 Legraverend, M. 2376.
 Lehman, I.R. 3344, 6539.
 Lehman, J.M. 1104, 2673, 5265.
 Lehmann, A.R. 438, 1761, 1321, 5047, 7390.
 Lehmann, C. 5452.
 Lehmann, J. 7311.
 Lehrach, H. 1698, 6371.
 Lehrbach, P. 7148.
 Lehtinen, P. 6316.
 Lehtomaki, D.M. 7375.
 Leibina, Ye.A. 2312.
 Leibowitz, D. 1627.
 Leibowitz, N.J. 1697.
 Leibowitz, P.J. 1557.
 Leick, V. 2406.
 Eiden, J. 659.
 Leifer, R. 7173.
 Lighton, J. 7184.
 Leineweber, M. 3448.
 Leinwand, L. 1464, 6515.
 Leipoldt, M. 3771.
 Lelay, M.N. 7319.
 LeMahieu, R. 819.
 Lemaire, G. 3981.
 Lemaux, P.G. 7251.
 Lemay, P. 4012.
 Lemieux, G. 4719, 6719.
 Lemley, S. 1221.
 Lemmen, K.L. 2321.
 Lemmen, L.J. 2321.
 Lemons, R.S. 2753.
 Lemsa, S.V. 5427.
 Leng, M. 155, 580, 4300, 4532, 5649, 6454.
 Lengyel, J.A. 6032.
 Lengyel, P. 2520, 2541, 5957, 6927.
 Lenhard-Schuller, R. 1625, 2744.
 Lenk, R. 1457.
 Lennette, D.A. 2695.
 Lennette, E.H. 345.
 Lenoir, G. 3262.
 Lenz, J.R. 310, 2964, 4232.
 Leonard, K.R. 5877.
 Leonard, N.J. 117, 126, 4023, 6618.
 Leonard, T.B. 6881.
 Leone, A. 5370.
 Leong, J. 2805.
 Leonhardi, G. 1294, 5238.
 Leonowicz, A. 1951, 5821.
 Leontieva, G.F. 1254.
 LePage, G.A. 3397, 5287.
 Lepekhin, A.F. 3823.
 Lepesant, J.-A. 1510.
 Lepoint, A. 207.
 Lerbs, S. 1961.
 Leriche, A. 3786.
 Lerman, L.S. 3060.
 Lerman, M.I. 200.
 Lerman, M.L. 5045.
 Lerner, L.M. 563, 1825, 3382.
 Leroy, J.L. 3446.
 Lesca, C. 6995.
 Leschine, S.B. 4701.
 Lescurie, B. 1186, 7353.
 Leshchinskaya, I.B. 3223, 4474, 5127, 7306.
 Lesiak, K. 5745.
 Lesiewicz, J. 2384.
 Lesiewicz, J.L. 1412.
 Lesley, S.M. 7191.
 Lesnik, E.A. 144.
 Lesot, A. 6196.
 Lesser, B.H. 2850, 7428.
 Lessie, T.G. 3101.
 Lester, B.R. 5324, 5325.
 Lestienne, P. 184.
 Lesyng, B. 23, 1811.
 Letendre, C.H. 2920.
 Leung, D.W. 3242, 4784, 4983.
 Leung, M.F.K.-L. 4493.
 Leung, W.-C. 4493.
 Leushner, J. 186.
 Lev, Z. 4170.
 Levagina, G.M. 3650.
 Levan, G. 4278.
 LeVere, T.E. 308.
 Levey, I.L. 287.
 Levi, J. 1984.
 Levin, A. 2088.
 Levin, D.H. 829, 4749.
 Levin, J.G. 2456.
 Levin, V.I. 2785.
 Levina, N.N. 1207.
 Levine, A.J. 2233, 5658, 6824.
 Levine, A.S. 6648, 6878, 6935.
 LeVine, D. 1293.
 Levine, R. 7298.
 Levinger, L.F. 596, 3731.
 Levings, C.S., III 415, 5533, 7236.

- Levinson, J.W. 2547, 5940.
Levinson, W. 545, 1738, 4268, 4269, 5640, 6424.
- Levintow, L. 3045.
- Levis, R. 1971.
- Levitov, M.M. 4472.
- Levitsky, E.L. 457.
- Levitt, M. 369, 7323.
- Levray, M. 3746.
- Levy-Wilson, B. 1783, 3306, 5216, 3946, 5220, 5225.
- Levy, C.C. 2808.
- Levy, F. 1283.
- Levy, H.B. 2297, 6648, 6652.
- Levy, H.G. 2289.
- Levy, J.A. 2805, 6830.
- Levy, L. 3799.
- Levy, S. 1727, 2977, 5975.
- Lewan, L. 2341.
- Lewin, A. 2080, 2081, 4353, 4589, 5605.
- Lewin, A.S. 6221.
- Lewis, A.M., Jr. 6935.
- Lewis, C.A., Jr. 1238, 3280.
- Lewis, C.G. 6734.
- Lewis, E.J. 1753.
- Lewis, G. 6702.
- Lewis, H. 4973.
- Lewis, H.L. 1350.
- Lewis, J.G. 646.
- Lewis, R. 4607.
- Lewis, W.H. 3278.
- Leyke-Rohling, S. 5726.
- Leyko, W. 3073.
- Leytin, V.L. 200.
- Lhoest, J. 4969.
- Lhomme, J. 25.
- Li, H.J. 648.
- Li, L.I. 327, 5492.
- Li, M. 7278.
- Lianos, P. 2923.
- Libbenga, K.R. 4486, 5402.
- Liberti, J.P. 191.
- Libertin, C. 6393.
- Libertun, C. 2126.
- Libikova, N.I. 3833.
- Lichina, M.V. 3687, 4913, 4915.
- Lichtenstein, A.V. 1056, 1758, 2479.
- Lichtenthaler, F.W. 63, 4632, 64.
- Lidak, M.Yu. 5298.
- Lie, K.K. 3199, 7230.
- Lie, S.O. 3199, 7230.
- Liebart, J.-C. 5165.
- Liebecq, C. 6627.
- Lieberman, M.W. 631, 627, 7170.
- Liebeskind, D. 7173.
- Liehr, J.G. 691.
- Liepinsh, E.E. 124.
- Liew, C.C. 2248, 5191.
- Lightfoot, D. 877.
- Lightfoot, H.N. 1439.
- Lightholder, J.R. 1260.
- Likhachev, A.Y. 4900.
- Likhtenshtein, A.V. 2443, 3525, 4878, 1243, 2996.
- Lil'p, I.G. 2062.
- Lilja, H.S. 4902.
- Liljas, A. 5870.
- Lillehaug, J.R. 1211, 5253.
- Lilley, D.M.J. 3257.
- Lim, L. 1973.
- Lim, M.-I. 1807.
- Lim, V.I. 3482.
- Limas, C.J. 2853, 4508.
- Limburg, K. 5754.
- Limn, W. 136, 3426, 4054.
- Lin, A. 4013, 5882.
- Lin, B.-C. 4865.
- Lin, B.Y. 4671.
- Lin, C.-S. 6690.
- Lin, C.-Y. 2508.
- Lin, C.C. 1785, 2049.
- Lin, D. 4836.
- Lin, E.J. 5464, 6106.
- Lin, F.H. 5160.
- Lin, F.S.D. 6986.
- Lin, H.J. 6983.
- Lin, T.-S. 79, 704.
- Lin, V.K. 4686.
- Lin, Y. 4245.
- Lin, Y.C. 1184.
- Linberg, L.F. 29.
- Lincoln, F. 690.
- Lind, A. 3486.
- Lind, A.J. 3533.
- Lindahl-Kiessling, K. 1926, 7216.
- Lindahl, T. 2214, 3732, 4588, 6179, 7051, 7146, 7399.
- Linde, R. 5888.
- Linde, S.A. 6645.
- Lindell, T.D. 2211, 6426.
- Lindell, T.J. 3899.
- Lindenmaier, W. 484.
- Lindigkeit, R. 1997, 7450.
- Lindner, H.J. 1359, 2914, 3395, 5759.
- Lindner, J. 1549.
- Lindquist, T.D. 4848.
- Lindqvist, B.H. 1517, 6518.
- Linevich, Z.K. 2159, 3213.
- Lingrel, J.B. 245, 254, 7287.
- Linhart, J. 2770.
- Linal, M. 2460, 4239.
- Linitskaya, G.L. 3260.
- Link, D. 4647.
- Link, G. 417, 2012, 4490.
- Linn, S. 3337, 6395.
- Linn, T. 2161.
- Linn, T.G. 4970.
- Linnane, A.W. 7, 4464, 6746.
- Linneweh, F. 290.
- Linscheid, M. 2348.
- Lintern-Moore, S. 264.
- Linz, U. 6190.
- Lioranchaite, L. 125.
- Liou, R. 1401.
- Lipasova, V.A. 3558.
- Lipavska, H. 485.
- Lipecky, R. 166, 3496, 5888.
- Lipinska, A. 1767.
- Lipkin, V.M. 6408.
- Lipkind, G.M. 5275.
- Lipman, D.J. 4968.
- Lipman, R. 4285.
- Lipp, K. 290.
- Lippard, S.J. 8, 2565, 5809.
- Lipps, H.J. 2650, 3116, 3334.
- Lipsett, M.N. 1271.
- Lipsev, C. 1152.
- Lipsich, L.A. 2732.
- Lipskaya, G.Y. 3537.
- Liquier, J. 4917, 7419.
- Lis, J. 6227, 6228.
- Lis, J.T. 400.
- Lisker, R. 5688.
- Liss, M. 1916.
- Liszewski, M.K. 5948, 7400.
- Litinskaya, L.L. 1458.
- Litman, G.W. 5200.
- Litt, M. 5837.
- Littau, V.C. 3762, 4349.
- Littauer, U.Z. 2486, 5330.
- Little, J.B. 4408, 5226, 6107.
- Little, P. 2560.
- Little, P.F.R. 1628, 3783, 6247.
- Little, R. 3612.
- Little, S.P. 4212.
- Littlechild, J. 805, 1424, 5874.
- Littlechild, J.A. 198.
- Littlefield, L.G. 7448.
- Littman, S.R. 6624.
- Litvak, S. 5834, 6421, 6425, 6427, 7381.
- Litwack, G. 654.
- Liu, A. 1494.
- Liu, A.Y. 1051, 3129.
- Liu, C.-P. 6339.
- Liu, D.K. 2773, 6724.
- Liu, D.S.H. 231, 839, 4711, 6886.
- Liu, F.-T. 6618.
- Liu, F.T. 1341, 1379.
- Liu, L.F. 1747, 7422.
- Liu, P.S. 3386, 4033.
- Liu, Y.C. 2046.
- Livak, K.J. 1621, 5221.
- Livingston, D.M. 1667, 6933.
- Livneh, Z. 4522.
- Livolt, F. 1272.
- Livshitz, M.A. 5241.
- Lizarraga, B. 511.
- Lizotte, P.A. 1034.
- Ljungquist, E. 4943.
- Llorens, R. 1707.
- Lloyd, H.M. 1651.
- Lloyd, M.M. 5925.
- Lloyd, R.S. 4267, 6964.
- Lo, G.Y.-S. 119.
- Lo, K.W. 3880.
- Lobachev, V.M. 3686.
- Lober, G. 4889, 5455.
- Lobov, V.P. 3006.
- Loche, M.P. 3802.
- Lochmann, E.R. 3468.
- Lockard, R.E. 251, 314, 2472, 3535.
- Locke, M. 585.
- Locker, H. 3736.
- Locker, J. 954, 4589.
- Lockhart, L.H. 2718.
- Lockhart, W.R. 6197.
- Lockner, D. 7229.
- Lockshin, A. 3931.
- Locorotondo, G. 3910, 7377.
- Loey, R.D. 6952.
- Loder, R.T. 6537.
- Lodha, M. 558.
- Lodish, H.F. 3638, 4133.
- Loeb, J.N. 1445.
- Loeb, L.A. 537, 3915, 4411, 4504, 5155, 6429, 6435, 7370.
- Loeblich, A.R., III 7069.
- Loeblich, L.A. 7069.
- Loepky, R.N. 5826.
- Loewen, P.C. 6402, 6612.
- Lofgren, D.J. 181, 4693.
- Loftfield, R.B. 770, 1406.
- Logan, K.B. 4171.
- Logeat, F. 745.
- Loginova, L.G. 5327.
- Loh, E.Y. 4984.
- Lohman, P.H.M. 7169.
- Lohman, T.M. 12, 3340.
- Lohmeier, E. 1137.
- Lohr, D. 5207.
- Lohrmann, R. 733.
- Loir, M. 2852.
- Lomax, M.I. 7079.
- Lombardi, P.S. 2628.
- Lomedico, P. 480.
- Lomonossoff, G.P. 3553, 4785.
- Lomova, T.Yu. 3821.
- Lomovskaya, N.D. 5108.
- London, I.M. 829, 4139, 4710, 4749.
- Londos-Gagliardi, D. 965, 6397.
- Long, B.H. 3521.
- Long, C.W. 2268.
- Long, E.O. 3769.
- Long, J.C. 1201.
- Long, W.K. 4641.
- Longacre, S.S. 952, 4364.
- Longiaru, M. 7132.
- Longnecker, D.S. 4902.
- Longuet, M. 6737.
- Loe, T.L. 3400.
- Loomis, W.F. 1039.
- Loor, R.M. 6013.
- Loose, L. 6890.
- Lopatina, N.G. 566, 5169.
- Lopez-Brana, I. 1255.
- Lopez-Gonzalez, J.D. 26, 6565, 6566.
- Lopez-Rivas, A. 4730.
- Lopez, A. 2854.
- Lopez, C. 4635.
- Lopez, P. 1133.
- Lopp, I.G. 969.
- Lorenz, P.R. 7366.
- Loring, D. 1210.
- Lorkiewicz, Z. 7019.
- Lortkipanidze, G.B. 4161.
- Lostia, O. 395.
- Lot, H. 1480.
- Lotareva, O.V. 1691.
- Lothstein, L. 3762.
- Lott, T.J. 5279.
- Lotz, W. 726.
- Louarn, J. 6201.
- Louarn, J.-M. 6201.
- Loucks, E. 4937.
- Louis, C. 2833.
- Louise, A. 4448, 4462, 5498.
- Lourenco, G. 6041.
- Loutit, J.S. 6338.
- Louvel, C. 6733.
- Loveday, K.S. 1062, 1631, 2750, 6576, 7256.

- Lovell, S.E. 579.
 Loverock, P.S. 1078.
 Lovgren, T.N.E. 770.
 Lowdon, M. 1393.
 Lowe, G. 5782.
 Lowe, N.J. 6294.
 Lowe, P.A. 5144.
 Lowell, C. 4471.
 Lown, J.W. 357, 963, 968,
 4927, 5453, 6119, 6996.
 Lowy, D.R. 1688.
 Lu, C. 7139.
 Lu, L.-J.W. 5292, 5768.
 Lubben, T.H. 6450.
 Lubbeck, M.D. 6184.
 Lubenets, E.G. 6634.
 Lubin, M. 1454.
 Lubit, B.W. 1751.
 Lucas, J.J. 2732.
 Lucas, Z.J. 3190.
 Luchnik, A.N. 104, 4398.
 Luchnikova, T.P. 1207.
 Luck, G. 4063, 4889.
 Luczak, J. 682.
 Luczak, J.C. 3549.
 Ludi, G.A. 4340.
 Ludlum, D.B. 3385.
 Ludwig Sanger, H. 5965.
 Ludwig, G. 6380.
 Ludwig, W. 4055.
 Lueders, K.K. 4162, 5374.
 Luetzeler, J. 947.
 Lukanova, I.S. 2437, 5255.
 Lugauskas, V.Yu. 4474.
 Luh, J. 4945, 4957.
 Lui, A.C.P. 3241, 3242.
 Lui, M. 2390.
 Luk, D.C. 1444.
 Lukash, L.L. 3408.
 Lukashin, A.V. 3697, 6138.
 Lukens, L.N. 764.
 Lunadei, M. 882, 408, 888.
 Lund, B. 1894.
 Lund, E. 490.
 Lund, G.A. 7342.
 Lund, T. 6070.
 Lundak, T.S. 1925.
 Lundquist, R.E. 1730.
 Lundvik, L. 1882.
 Lunec, J. 338.
 Luoma, G.A. 876, 1488.
 Luquet, P. 2556.
 Lurquin, P.F. 7028.
 Lurz, R. 3707, 7433.
 Lustig, F. 5832, 5833.
 Lutsch, H. 3487.
 Lutter, L.C. 7323, 1166, 3330.
 Luttrupp, L.K. 1120.
 Lutz, R.W. 1915.
 Lutz, W.K. 2577, 3080, 5465.
 Luukes-Hofstra, J. 2835.
 Luxon, B.A. 6671.
 Luzzio, J.P. 3272.
 Luzzatto, L. 4795.
 Lyapunova, N.A. 5537.
 Lyapustin, V.N. 3046.
 Lykissas, E.D. 902.
 Lykkegaard, S. 6070.
 Lykkesfeldt, A.E. 4200.
 Lyles, D.S. 2002.
 Lynch, K.R. 4781.
 Lynch, S. 2273.
 Lynch, T.P. 2351, 5278.
 Lynn, D.L. 5022.
 Lynn, S.P. 7325.
 Lyon, M.F. 5000.
 Lyon, P.A. 145.
 Lyons, A. 4150, 6091.
 Lyons, M.J. 1472.
 Lysov, Yu.P. 3698, 5799.
 Lytle, L.D. 189.
 Lyubimova, E.V. 200.
 Lyutskanov, N.L. 5268.
 Maaloe, O. 5684.
 Maas, D. 6463.
 Maass, G. 2943, 4697.
 Maassab, H.F. 7343.
 Maassen, J.A. 1901, 4713.
 Maat, J. 2594, 6171, 6398.
 Macaya, G. 4882, 4999.
 MacCoss, M. 4030.
 MacDonald, R.J. 903, 4220.
 Mace, D. 7467.
 Mace, M.L., Jr. 402, 3772, 4362,
 5520.
 Macelroy, R.D. 373.
 MacFarlane, K. 4675.
 MacFarlane, R. 1258.
 MacGillivray, A.J. 1258.
 Macgregor, H.C. 6517, 4554.
 MacGregor, J.P. 2241, 4535.
 Mach, B. 952, 4364, 7286.
 Macha, J. 5614.
 Machado-Santelli, G.M. 4991,
 3326.
 Machatt, M.A. 2412.
 Mache, R. 2094, 5420.
 Machida, C. 505.
 Machill, G. 3185.
 Machler, M. 6232.
 Machno, V.I. 5894.
 Macieira-Coelho, A. 458, 1674,
 5767.
 Maciewicz, R.A. 648.
 MacInnes, J.I. 5507.
 MacInnis, A.J. 722.
 Macino, G. 3119, 4356, 6219,
 7278.
 MacIsaac, P. 1981, 2740.
 Mackay, P. 5597.
 Mackedonski, V.V. 1959.
 Mackell, M.A. 4656.
 Mackenzie, G. 68, 1822.
 Mackey, J.K. 3361, 3725, 4322,
 5005.
 Mackie, C. 3512.
 Mackie, G.A. 5508.
 Mackinlay, A.G. 2836.
 Macklis, R. 6203.
 Maclaren, N.K. 5185.
 Maclean, J. 4866.
 MacLeod, A.J. 6047.
 MacNaughton, M.R. 2831.
 Macquaire, G. 4144, 4854.
 Macquet, J.-P. 7005.
 Madden, M.J. 5092.
 Maddison, P.J. 7407.
 Maden, B.E.H. 3556.
 Madison, J.T. 202.
 Madjagaladze, G.V. 1298.
 Madjar, J.-J. 4110, 4721.
 Madore, H.P. 849.
 Madras, E.D. 157, 158.
 Madreiter, H. 2115.
 Maeck, M. 6570.
 Maeda, A. 4755, 7011.
 Maeda, S. 636.
 Maekawa, K. 6884.
 Maekawa, T. 2093.
 Maeno, K. 5190.
 Maenpaa, P.H. 3445.
 Magakyan, Yu.A. 2131, 1670.
 Magana-Schwencke, N. 1082.
 Magarian, C. 2542.
 Magarill, S.A. 6645.
 Magee, W.E. 3281.
 Mager, W.H. 811.
 Magnaval, R. 6506.
 Magno, S.M. 4888.
 Magri, E. 1252.
 Maguire, M.H. 1828.
 Magun, B.E. 7461, 7212, 7465.
 Mahajan, S.K. 4457.
 Maheimer, J. 2162.
 Maher, V.M. 2547, 5940.
 Mahmud, J. 2729.
 Mahony, D.E. 1668.
 Mahony, J.B. 914.
 Mahowald, P. 4146.
 Mahy, B.W.J. 6061.
 Maichle, I.B. 4327.
 Maidhof, A. 4041, 5282.
 Maio, J.J. 2090.
 Maisin, J.R. 2626, 7378.
 Maitland, N. 4149.
 Maitra, A. 44.
 Maitra, U. 5147, 6757.
 Maiyiyorov, V.I. 5173.
 Maizel, J.V., Jr. 1730.
 Majdanovich, N.N. 5762.
 Majors, J.E. 2623.
 Majoube, M. 22.
 Majumdar, A. 1923.
 Majumdar, A.P.N. 1719.
 Majumdar, C. 2059.
 Majumdar, K.C. 4927.
 Majumdar, S. 7135.
 Majzoub, J.A. 6923.
 Mak, K.M. 2138.
 Mak, S. 1003.
 Mak, T.W. 544, 6603.
 Makarov, V.L. 3668.
 Makarovskaya, E.E. 6902.
 Makeeva, V.F. 3070.
 Makhlin, E.E. 4259.
 Makhno, V.I. 821, 1173, 1447,
 2405.
 Maki, A.H. 2304.
 Maki, R. 4997.
 Makita, A. 557.
 Maksimovskii, L.F. 5414.
 Mal'tseva, E.L. 5565.
 Malakhova, L.V. 2062.
 Malarska, K. 4539.
 Malcolm, A.D.B. 2189.
 Malcolm, A.L. 198.
 Malcolm, S. 2560.
 Malec, J. 6845.
 Maleev, V.Y. 7007, 2595, 4920.
 Malek, L. 1418.
 Malenkov, A.G. 1098.
 Maleszka, J. 3830.
 Maleszka, R. 2018.
 Maley, F. 478, 7398.
 Maley, G.F. 7398.
 Malfoy, B. 1574, 5003.
 Maliga, P. 2340.
 Malikov, I.G. 3222.
 Malinauskaitė, O.-L. 4221.
 Malinowska, A. 3402.
 Malke, H. 7023, 7024.
 Mallavia, L.P. 7383.
 Malmberg, A.-M. 3847.
 Malnoe, P. 2647, 2648, 4985.
 Malone, T.G. 3052, 5441.
 Maloof, F. 1537.
 Malvy, C. 6995.
 Malygin, A.G. 1182, 6852.
 Malygin, E.H.G. 3463.
 Malyshch, A.B. 1264.
 Malz, W. 1660.
 Mamaev, S.V. 775.
 Mamaev, V.P. 30, 34.
 Mamaeva, O.A. 4199.
 Maheirickx, M. 2550.
 Mamont, P. 5570.
 Mamontova, T.A. 4056.
 Man, T. 5240.
 Manak, R.C. 3935, 3938.
 Manaker, R.A. 6776.
 Manale, A. 2377.
 Manchester, K.L. 6756.
 Mancini, R.E. 4527.
 Mancini, W. 3923.
 Mancusi, V. 6735.
 Mand, C. 2446.
 Mandecki, W. 7272.
 Mandel, H.G. 689.
 Mandel, J.L. 1047, 4939, 4992.
 Mandel, M. 240, 1467, 2646,
 3109, 4256, 6199, 7253.
 Mandel, P. 27.
 Mandel, R. 7435.
 Mandelbaum Shavit, F. 2343.
 Mandhar, N. 6938.
 Mangalik, A. 159.
 Mangiarotti, G. 205, 2420,
 5887.
 Maniatis, T. 2562, 2563, 6373,
 6936.
 Maniglia, C.A. 520.
 Maniloff, J. 2627, 2701, 3148.
 Manini, M. 1179.
 Manis, S. 5361.
 Manjula, B.N. 499.
 Manlapaz-Ramos, P. 4397.
 Manley, J.L. 3007.
 Mann, K. 3291.
 Mann, L.C. 1093.
 Mann, N.H. 2720.
 Mann, R.S. 600.
 Mannella, C.A. 5604, 6028.
 Manning, G.J. 743, 6651.
 Mannherz, H.G. 1165, 5644,
 7386.
 Mannick, J.A. 3282.
 Manning, G.S. 9.
 Manning, J. 4152.
 Manning, R.F. 399, 2660.
 Manning, W.B. 3366.
 Mannino, R.J. 5582.
 Mano, Y. 539, 4509, 5524,
 6268.
 Manojlovic, N. 3180.

- Manor, H. 4170.
Mansa, B. 3115.
Mansson, P.-E. 230, 1459, 5397.
Mansy, S. 5757.
Mantel, N. 1624.
Manteuffel, R. 6894.
Manthorpe, R. 2225.
Mantieva, V.L. 2870.
Mantovani, A. 3234.
Manuelidis, L. 3784.
Manukyan, L.A. 1523.
Manwaring, J.D. 5014.
Manyakov, V.F. 3777.
Manzoli, F.A. 1765, 3951.
Mao, J. 749.
Maquat, L.E. 3345, 6144.
Maraldi, N.M. 1765, 3951.
Marano, F. 1066.
Maranon, J. 1581.
Marcel, K.B. 6810.
Marchal, C. 3112, 4448.
Marchionni, M.A. 3236.
Marchiori, F. 1709.
Marchis-Mouren, G. 5885, 5886.
Marciani Magno, S. 340, 4891.
Marciani, S. 1561, 4272.
Marcinka, K. 6601.
Marck, C. 6122.
Marcker, K.A. 6374.
Marco, R. 3339, 3341.
Marcon, M.J. 6441.
Marcovich, H. 5165, 6356.
Marcu, K.B. 235, 2493.
Marcus, A. 257, 4842.
Marcus, P.I. 5613.
Marcus, S.L. 1160, 4852.
Marczinovits, I. 3294.
Mardian, J.K.W. 1249.
Marec, J. 4438.
Marekov, L.N. 5661.
Margison, G.P. 4159, 5042, 7159.
Margison, J.M. 4159.
Margolskee, R. 4576.
Margulies, L. 3610, 3611.
Margulies, M.M. 6720.
Mariage, R. 3143, 6277.
Mariam, Y.H. 7093.
Marini, M. 5319, 5830.
Marino, G. 2403.
Marion, C. 1773.
Marion, M.-J. 1437.
Mark, E.H. 6244.
Mark, G.E. 2629, 3580.
Markewych, O. 1643.
Markham, A.F. 1871, 3423, 5800.
Markiewicz, W.T. 72.
Markin, J.S. 1696.
Markov, G.G. 404, 407, 328, 3130.
Markova, L.F. 5348.
Markova, N. 407.
Markova, N.G. 328.
Markovits, J. 6082.
Markovitz, A. 4441.
Markovitz, D. 189.
Markowitz, L.A. 2540.
Marks, A. 914.
Marks, P.A. 889.
Markuockas, A.Y. 5172.
Markushin, S. 7114.
Marnett, L.J. 6283.
Marogil, M. 1420.
Maroney, P.A. 310, 2013, 4068, 4232, 5631, 6419.
Maroun, L.E. 4223.
Marquardt, H. 4394.
Marquardt, O. 6717.
Marss, B.L. 6139.
Marsden, H.S. 1007, 1018.
Marsh, F.J. 6639.
Marsh, R.C. 2641.
Marsh, R.F. 3052, 5441.
Marsh, T.L. 4107.
Marshak, T.L. 2019.
Marshall, A.G. 876, 1488.
Marshall, C.L. 2347.
Marshall, I. 2129.
Marshall, M.V. 169.
Martel, P. 6555.
Martens, F.B. 97, 892.
Martignoni, K.D. 1079.
Martin-Bertram, H. 4907.
Martin, C.N. 1091.
Martin, D.F. 4420.
Martin, D.W.Jr. 2809.
Martin, E.M. 5818.
Martin, G.M. 5560, 6502.
Martin, G.S. 4163, 7057.
Martin, H. 2900, 3321.
Martin, J.C. 2570.
Martin, J.D. 3740, 7045.
Martin, M.A. 3845, 5094, 6124, 7294.
Martin, N.C. 2080.
Martin, R. 1876, 3321.
Martin, R.P. 755, 2935.
Martin, S.E. 5256.
Martin, S.J. 5403.
Martin, V. 1832.
Martinek, J. 455.
Martinet, C. 2500.
Martinez-Hondurilla, C.J. 1986.
Martinez, J.I. 3896.
Martini, G. 5110.
Martini, O. 2424.
Martini, O.H.W. 3489.
Martinis, J. 7449.
Martino, E. 6009.
Martinson, H.G. 2240, 3962, 5205, 5208, 5209, 5210.
Martinucci, G.B. 6503.
Marton, L. 2340.
Martsev, S.P. 364.
Marty, M. 2477.
Martynova, M.G. 1097, 1972, 3572.
Maruhashi, K. 2315.
Marunaka, T. 1340.
Marunouchi, T. 4427.
Marushige, K. 625.
Marushige, Y. 625.
Maruyama, I.N. 5035.
Maruyama, T. 6312.
Maruyama, Y. 1190.
Marvaldi, J. 5885, 5886.
Marxen, J. 5463.
Marz, R. 4622, 6606.
Marzilli, L.G. 135, 36, 1857, 2327, 2362, 5786.
Marzluf, G.A. 7073.
Marzluff, W.F. 1987, 3599, 4808.
Masago, H. 279.
Masaki, S. 2802, 4506.
Mascarenhas, J.P. 890, 3041.
Mascheck, P. 2661.
Masek, F. 1080, 7145.
Mashko, S.V. 7396.
Masiakowski, P. 4700.
Masker, W.E. 3813, 7189.
Maskos, K. 700, 701, 5746.
Maslova, R.N. 144.
Masol, N. 1777.
Mason, W.S. 2759.
Massicot, J.G. 1094.
Mastrandrea, V. 2638.
Mastromei, G. 2694, 3609.
Mastropalo, W. 534, 1192.
Masujima, M. 967.
Maszewski, J. 6494.
Mate, U. 2350.
Mateeva, Z.E. 2415, 5974.
Maternan, E.C. 2265.
Mathelier, H.D. 4668.
Matheson, A.T. 249, 584, 1904, 2464, 5244, 6528.
Matheson, R.B. Jr. 6392.
Mathew, A. 6583.
Mathew, C.G.P. 3308.
Mathew, T. 4824.
Mathews, C.K. 127.
Mathews, M.B. 1934, 2155.
Mathias, A.P. 3307, 5219.
Mathieu-Mahul, D. 6465.
Mathiez, P. 5808.
Mathis, D.J. 624.
Matinyan, K.S. 623, 7440.
Matkovics, B. 3073.
Matoba, S.I. 2454.
Matorina, T.I. 6159.
Matousek, J. 2770, 5614.
Matrisian, P.E. 6724.
Matselyjkh, B.P. 953.
Matson, S.W. 2206.
Matsubara, K. 3354, 5084.
Matsuda, A. 60, 576, 1356, 2219, 2320, 2324.
Matsudaira, H. 2709, 6312.
Matsudaira, Y. 1096.
Matsuguchi, M. 4383.
Matsui, S.-I. 3898.
Matsui, T. 5625.
Matsukage, A. 1191, 1733.
Matsumura, T. 7215.
Matsumoto, H. 608, 2514, 4631, 7363.
Matsumoto, K. 5122, 6563.
Matsumoto, M. 4755.
Matsumoto, S. 5285.
Matsumoto, T. 5190.
Matsuno, T. 6068.
Matsuo, H. 3227.
Matsushima, T. 149, 2222, 2823.
Matsushita, T. 4030.
Matsuura, T. 706, 707, 3373.
Matsuyama, A. 1148, 2705, 2706, 3683, 5039.
Mattern, M.R. 7210, 7211.
Mattersberger, H. 5161.
Matteuzzi, D. 2640.
Matthews, B. 4846.
Matthews, H.R. 1040, 3762.
Matthews, K.S. 3991, 6538.
Matthews, R.E.F. 7414.
Matthies, H. 729.
Mattoli, A. 7111.
Mattoccia, E. 1306.
Mattson, T. 3018.
Matuo, Y. 2847.
Matusi, M. 535.
Matuskova, M. 1168.
Matvienko, N.I. 5483.
Matyasova, J. 6376.
Matyushin, A.I. 4299.
Matz, B. 6183.
Matz, L.R. 1754.
Mauchamp, J. 6833.
Mauchauffe, M. 4207, 6597.
Maugel, T.K. 3313.
Maupas, P. 1544.
Maurer, R.A. 3849, 7125.
Maurer, W. 719.
Maurice, P.A. 589, 7289.
Mauron, A. 228.
Max, E.E. 7091, 7285.
Maxam, A.M. 170.
Maxwell, E.S. 6468, 6469.
Maxwell, I.H. 1493.
May, B.K. 1966.
May, E. 864, 3583, 3944, 6253, 7058.
May, P. 864, 6037.
Mayall, B.H. 3979, 6519.
Mayansky, D.N. 453.
Mayer, H. 2786.
Mayer, R. 3664, 6558.
Mayfield, J.E. 2866.
Mayhew, E. 2892.
Maynard, T. 3255.
Mayo, K.E. 5608.
Mayo, M.A. 5968, 6535.
Mayor, H.D. 4384, 4385.
Mays, L.L. 6678.
Mazabraud, A. 5829.
Mazeaev, A.G. 3777.
Mazanov, A.L. 3482.
Mazat, J.-P. 6693.
Mazen, A. 5215, 7430.
Mazepa, I.V. 450.
Mazo, M.A. 3692.
Mazrimas, J.A. 4045.
Mazurov, V.I. 232.
Mazza, A. 1542, 5515.
Mazza, A.M. 4213.
Mazza, G. 2154, 3355, 4027.
McAuliffe, C.A. 3353.
McBain, J.A. 3628.
McBride, B.C. 3241, 3242.
McCaffrey, R.P. 1201.
McCaldin, B. 5281.
McCalla, D.R. 7139.
McCarthy, B.J. 2602, 3033, 4303, 4967.
McCarthy, D. 3925.
McCarthy, J.E. 3428.
McCarthy, W.J. 2075, 6188.
McCaw, B.A. 2714.
McClain, W.H. 1322, 1706, 1874, 5131, 6660.
McClanahan, M. 262.
McCleary, A.R. 605.
McClements, W. 5115, 6234.
McCloskey, J.A. 56, 691, 1315,

- 2905, 3377, 5754.
McClure, W.R. 3245, 3247, 7330.
McCluskey, E. 7021.
McCole, N. 5344.
McColl, R.S. 261.
McConkey, E.H. 1440, 1959, 4013.
McConnell, D.J. 3719, 7040.
McCormick, J.P. 2547, 5940.
McCormick, J.P. 5749.
McCorquodale, D.J. 2609, 2873.
McCrea, J.M. 2167.
McCune, S.A. 4082.
McCutchan, T. 4683, 4960, 4961.
McDade, J.E. 2646.
McDay, J.A. 2728.
McDermid, A.C. 1091.
McDougall, J.K. 660, 5363.
McDowell, T.S. 2754.
McEntee, K. 3344, 6539.
McEwen Nicholls, D. 4127.
McFadden, G. 7356.
McGarva, D. 7390.
McGavin, S. 7015.
McGeer, E.G. 4836.
McGeoch, D.J. 1938, 1944, 6793.
McGhee, J.D. 5223.
McGill, C. 4771.
McGill, S. 3488.
McGill, S.M. 3505.
McGowan, J.J. 4708, 1742, 3923.
McGrath, H., Jr. 6457.
McGroarty, E.J. 5412.
McGrogan, M. 3526, 3578.
McGuire, M.J. 2829.
McGuire, W.L. 276, 4050.
McHenry, C.S. 5152.
McIntire, S. 3712.
McIntire, S.A. 3856.
McIntosh, L. 3516.
McIntosh, P.K. 1588.
McIvor, R.S. 1816.
McKay, E.L. 6870.
McKay, L.L. 3702, 4863.
McKay, R.D.G. 2867.
McKeown, M. 1613.
McKerrell, E.H. 3362.
McKinnon, R.D. 2815.
McKnight, G.S. 5608.
McKune, K. 7374.
McLachlan, A. 6214, 6215.
McLaughlin, C.S. 4182, 3467, 1065, 1487, 4217, 5340, 5341.
McLaughlin, L.W. 357, 6996.
McLaughlin, P.J. 3835.
McLean, M.J. 301.
McLeod, E. 4877.
McMacken, R. 424.
McManus, M.J. 431, 1093.
McMillin-Helsel, C. 1686.
McNamara, A.L. 766, 6689.
McNamee, M.G. 5415.
McPherson, M.L. 6241.
McReynolds, L. 402.
McWilliams, D. 315.
Meade, C.E. 4324.
Meade, H. 5117.
Meager, A. 6389.
Meagher, R.B. 5095.
Means, A.R. 3772.
Mears, J.G. 1627, 4795.
Mechali, M. 5156.
Medeiros, E. 2460.
Medina, D. 3598.
Medon, S. 6725.
Medveczky, P. 1004.
Medvedeva, N.I. 2966.
Medvezki, P. 2619.
Meedel, T.H. 3620.
Meehan, T. 4275.
Meerson, F.Z. 1525.
Meftert, H. 6459.
Megraw-Ripley, S. 6508.
Mehler, A.H. 2390.
Mehrabian, M. 5208.
Mehrad, H. 5924.
Mehta, J.R. 3385.
Meier, J. 5019.
Meijer, M. 3757.
Meijlink, F.C.P.W. 4350.
Meinel, S. 3629.
Meinke, M. 801.
Meinkoth, J.L. 1140.
Mejias, E. 103.
Mekhedov, S.L. 6836.
Mel'nik, S.Ya. 5773.
Melamed, M.R. 3189.
Melanson, D.L. 4823.
Melanson, R. 2331.
Melcher, U. 6079.
Melchers, F. 5684.
Melchior, W., Jr. 2185.
Melderis, H. 5463.
Melera, P.W. 5366, 4349, 5971.
Melgar, E. 511.
Mellema, J.-R. 6913.
Mellgren, J. 3847.
Mello, M.L.S. 2558.
Mellon, M.G. 527.
Mellon, P. 4163.
Melloul, D. 3886.
Mellows, G. 1409, 2946.
Melnik, S.Y. 2330.
Melton, D. 3218.
Melvin, W.T. 2528, 4156, 4762, 5576.
Melzer, M.S. 4590.
Mende, L. 4716, 6526.
Mendelewski, J. 1899.
Mendelsohn, S.L. 491.
Mendelsohn, J. 1328.
Meneghini, R. 4910.
Meneguzzi, G. 4166, 4880, 6825.
Mengel, R. 1355, 3383, 3390.
Mengle, L. 3066.
Menke, H.H. 4352.
Menna, A. 1015, 2636.
Mennes, A.M. 4486, 5402.
Menninger, J.R. 763, 4685.
Menon, K.M.J. 1511.
Meo, P. 6895.
Mercer, A.A. 6338.
Mercer, W.E. 2075.
Mercereau-Pujalon, O. 3215, 7270.
Meredith, R.D. 5177.
Mergeay, M. 3214.
Merilees, H. 3242.
Merisio, J. 2436.
Merkner, H.-J. 2727.
Merkulova, N.A. 3117, 6860.
Merlino, G.T. 312.
Merlo, D.J. 3207, 5097.
Mermod, J.J. 2954.
Merrick, W.C. 830, 4138, 5306, 6759, 6760.
Merrifield, R.K. 2564.
Merrill, C. 1177.
Mertelsmann, I. 3265.
Mertelsmann, R. 3265.
Merten, S. 2080.
Mertens, G. 2962.
Mertens, P.P.C. 3536.
Mertes, M.P. 5648, 6591.
Mertvetsov, N.P. 237, 5427.
Mertz, J.E. 881.
Meselson, M. 1621.
Messer, W. 3757, 4376, 4377.
Messineo, L. 1755, 1757, 1794.
Messing, J. 661.
Messner, H.A. 544.
Metcalfe, G.R. 2739.
Metcalfe, S. 2143.
Metelev, V.G. 730, 2365, 4070, 6932.
Metenier, G. 5056.
Metlas, R.M. 1907.
Metspalu, A. 3486.
Mett, A.L. 6858.
Mett, L.L. 6858.
Mettler, C.M. 2347.
Mettrie, R. 4724.
Metz, A. 518.
Metz, D. 6459.
Metzenberg, R.L. 4980.
Metzger, E. 5106.
Metzger, E. 723.
Metzger, G. 4552.
Meuling, W.J.A. 3074.
Meunier-Rotival, M. 4882, 4999.
Meurs, E. 6647.
Meurs, H. 4981.
Meuth, M. 6602.
Mevarech, M. 4793, 6764.
Meyer Willerer, O. 7104.
Meyer, B.J. 5677.
Meyer, F. 2089, 5080.
Meyer, L. 4743.
Meyer, R. 5088.
Meyer, R.B., Jr. 1371.
Meyer, R.R. 1199, 5234.
Meyer, S.A. 1033.
Meyer, T. 4315.
Meyerink, J.H. 1042.
Meyne, J. 2718.
Meyskens, F.L., Jr. 2282.
Meyuhas, O. 5399.
Meza, I. 2009.
Mez, V.A. 844, 5930.
Mezzina, M. 1748.
Mgladze, G.N. 1298.
Miassod, R. 3593, 6016.
Michael, D. 3832.
Michael, J.G. 2735.
Michalides, R. 6820.
Michalides, R.J.A.M. 2395.
Michalski, C.J. 1417, 1432, 5352.
Michaux, J.L. 7234.
Michel, J.L. 260.
Michel, M. 7243.
Michel, M.L. 6597.
Michel, S. 4110.
Michl, J. 4438.
Michniewicz, J. 4059.
Mickel, F.S. 4987.
Midden, W.R. 6659.
Middleton, J.C. 1828.
Middleton, M.C. 5555.
Mielenz, J.R. 6211.
Mielke, T. 5557.
Mierau, R. 4468.
Miertus, S. 4019.
Mierzewski, K. 2141.
Mievile, F. 2497.
Miguel, A.G. 7428.
Mikami, K. 7192.
Mikeag, M. 1364.
Mikelen, P. 545, 4268, 4269, 5640, 6424.
Mikhailopulo, I.A. 6589.
Mikhailov, S.N. 5752.
Mikhailova, G.R. 2739.
Mikhajlovskaja, M.V. 469.
Miki, H. 1352.
Miki, T. 3205.
Mikolajczyk, M. 682.
Miksche, J.P. 1552.
Mikstais, U.Y. 2305.
Milanesi, G. 4166, 4880, 5495, 6825.
Milazzo, J.P. 1718.
Milcarek, C. 5672.
Mildner, B. 518.
Mildner, B. 5162.
Mildvan, A.S. 537.
Miles, D.L. 3431.
Miles, D.W. 3431.
Miles, H.T. 2347, 4668, 6643.
Miles, K. 7474.
Milhausen, M.J. 3606.
Miholland, R.J. 7425.
Mijlkovic, L. 4918.
Milko, E.S. 1609.
Millard, M.M. 1678.
Miller, D.A. 1505, 3978, 6511.
Miller, D.L. 2967, 6342.
Miller, E.C. 3067.
Miller, F. 1775.
Miller, F.W. 2413.
Miller, G. 4453.
Miller, G.G. 3290.
Miller, G.H. 4345.
Miller, H.I. 2668.
Miller, J.H. 4000.
Miller, J.A. 3067.
Miller, J.A., Jr. 3168.
Miller, J.E. 3219.
Miller, J.H. 650, 651, 1023, 1024, 4344, 5099.
Miller, J.J., III 5290, 5291.
Miller, J.R. 3126, 4442.
Miller, K.J. 6128.
Miller, L.K. 3743.
Miller, M.R. 7375.
Miller, M.S. 191.
Miller, N.R. 4756.
Miller, O.J. 1505, 3978, 6511.
Miller, P. 5664.
Miller, R.C., Jr. 3208.

- Miller, R.L. 3922.
 Miller, R.V. 3237, 7324.
 Miller, S.S. 5622.
 Miller, T.E. 7404.
 Miller, W. 5598.
 Miller, W.L. 3033.
 Millet, M. 5349.
 Millette, R.L. 5141.
 Mills, A.D. 2256.
 Mills, D.R. 1498, 1932, 4773, 5401, 5941.
 Mills, E.D. 6047.
 Millward, D.J. 1892.
 Millward, S. 1476.
 Milne, H.B. 4156.
 Milner, J.J. 6787.
 Milo, G.E. 2051.
 Milova, L.A. 1583.
 Milstein, C. 1323, 2471.
 Milstone, D.S. 578.
 Minagawa, T. 464.
 Minagawa, T. 3889, 4389.
 Minamoto, K. 82, 1824.
 Minarova, E. 4438, 5584.
 Minato, S. 6394.
 Minchenko, A.G. 293, 4205.
 Minchenkova, L.E. 1582, 4295, 4884.
 Minet, G. 3076.
 Mingot, F. 371.
 Minks, M.A. 808, 2013, 4068, 6419.
 Minor, P.D. 1927.
 Minty, A.J. 3039.
 Minyat, E.E. 4295.
 Miozzari, G.F. 1610, 2644, 5098.
 Mirault, M.-E. 482, 6227, 6228.
 Mirell, C.J. 3963.
 Mironescu, S.G.D. 3411.
 Mironov, A.A. 7396.
 Mironov, A.S. 1121.
 Mironov, N.M. 4904.
 Miroshnichenko, G.P. 3131.
 Mirre, C. 6035.
 Mirzabekov, A.D. 4548, 599, 3965, 4297.
 Mischke, C. 5057.
 Mishenina, G.F. 5777.
 Mishima, Y. 5625.
 Mishra, A.K. 4461.
 Mishra, K.P. 2052.
 Mishra, N.C. 7275.
 Mishra, N.K. 397, 1617, 6225.
 Misra, B.B. 959.
 Misra, T.K. 503.
 Misra, V. 1980.
 Misselwitz, R. 359, 2597.
 Misumi, M. 5896, 1443, 6098.
 Misumi, Y. 268, 5416.
 Mita, K. 5190.
 Mitani, T. 727, 1370, 2317.
 Mitchell, A.R. 3782.
 Mitchell, B.S. 103, 5284.
 Mitchell, D.H. 4048.
 Mitchell, E.B., Jr. 1016.
 Mitchell, G.J. 2599.
 Mitchell, P.R. 93.
 Mitchell, R.M. 7069.
 Mitelman, F. 957, 3170.
 Miteva, V.I. 4879, 7240.
 Mitina, V.Kh. 3525, 2443.
 Mitra, C. 99.
 Mitra, G. 4124.
 Mitra, S. 999, 4953, 5832.
 Mitra, S.K. 1878.
 Mitrou, G. 6461.
 Mitrou, P.S. 6461.
 Miyaev, A.B. 522.
 Mitsui, H. 1769.
 Mitsui, Y. 398, 501, 1394, 2175.
 Mitsunobu, O. 1839.
 Mittermayer, C. 2115.
 Miura, K. 139, 242, 167, 5384, 5936, 6192.
 Miura, Y. 2467, 2729, 6438.
 Miwa, M. 149, 539, 2222.
 Miyachi, K. 6462.
 Miyagi, M. 3920.
 Miyahara, M. 5467.
 Miyai, S. 1148, 1349.
 Miyajima, A. 7246.
 Miyake, T. 141, 1871, 3440, 6631.
 Miyaki, K. 398.
 Miyasaka, T. 59.
 Miyata, Y. 81.
 Miyazaki, K. 2847.
 Miyazawa, T. 111, 5760.
 Miyazawa, Y. 2411, 2414.
 Miyoshi, J. 4930.
 Miyoshi, M. 6563.
 Mizoguchi, H. 6438.
 Mizugaki, M. 677.
 Mizuguchi, Y. 2961.
 Mizukami, T. 4250.
 Mizuma, Y. 7201.
 Mizuno, D. 1725, 1996, 4816, 4828, 6415, 6883.
 Mizuno, H. 173, 174, 1390.
 Mizuno, S. 403, 5407.
 Mizuno, Y. 239.
 Mizusawa, H. 6284.
 Mizushima, S. 5345, 7271.
 Mizuta, E. 4639.
 Mizuuchi, K. 476, 664, 3274.
 Moar, M.H. 317, 1543, 360.
 Mobry, P.M. 5923.
 Mocarski, E.S. 6177.
 Mochizuki, A. 2411.
 Mochizuki, M. 735.
 Mochizuki, N. 362.
 Mocquot, B. 6427.
 Modak, M.J. 1160, 1203, 5158, 6432, 7320.
 Model, P. 4568, 5493, 7034.
 Modolell, J. 1913, 4744, 6743.
 Modrich, P. 1171, 5168.
 Modyanov, N.N. 6408.
 Modyanova, E.A. 1098.
 Moe, J.G. 5849, 5850.
 Moeller, B. 762.
 Moelling, K. 2807, 5369, 6436.
 Moen, R.C. 4856.
 Moen, T.L. 1874.
 Moens, L. 6914, 7348.
 Moffatt, J.G. 4627.
 Moffatt, J.R. 2189.
 Mogerley, S. 3913.
 Mohamed, N.A. 5364.
 Mohammed, W. 6252.
 Mohanram, M. 1156.
 Mohr, S.J. 1094.
 Moise, H. 2266.
 Moiseev, V.L. 1243, 4878.
 Mol, J.N.M. 3118.
 Moldave, K. 5340, 5341, 6706.
 Moldeus, P. 4402.
 Molgaard, H.V. 1040.
 Molinaro, M. 3261.
 Molnier-Jumel, C. 965, 1183, 1574.
 Mollenkamp, J. 3488.
 Mollenkamp, J.W. 3505.
 Moller, A. 166, 6662.
 Moller, E. 2137, 3192.
 Moller, K. 3477.
 Moller, U. 1547.
 Moller, W. 1901, 3507, 4111, 4135.
 Mollgaard, H. 565.
 Molnar, J. 3294.
 Molnar, S.J. 4691, 4693.
 Monahan, J.J. 1135, 5085.
 Monaslidze, D.R. 1298.
 Monastyrskaya, G.S. 326, 4531, 1585, 2592, 6365, 7406.
 Monesi, V. 263, 1324, 3000, 3910.
 Mong, S. 6101.
 Monier, F. 4208.
 Monier, J.C. 3285.
 Monjardino, J. 1721.
 Monroe, S. 3545.
 Monroy, G. 567, 568, 1210.
 Monsion, M. 4144.
 Monson, J.M. 1535.
 Montagnani, G. 5007.
 Montagnier, L. 6647.
 Montanaro, L. 1922, 2963, 5899.
 Montanelli, E. 421.
 Montasser-Kouhsari, S. 4081, 2386.
 Montenay-Garestier, T. 3664.
 Montenegro, M.A. 4957.
 Montesano, R. 4159, 5042, 7159.
 Montgomery, D.L. 2082, 4983, 6865.
 Montgomery, J.A. 1351, 6581.
 Montgomery, R. 4912.
 Monticone, R.E. 1780.
 Montoya, A.L. 5097.
 Montoya, E. 1695.
 Mooi, F.R. 3874.
 Mookerjee, S. 6868, 7196.
 Moor, N.A. 1411.
 Moore, D.H., II 3979.
 Moore, G.P. 264, 2085.
 Moore, J. 4799.
 Moore, M.A.S. 3265.
 Moore, P. 6285.
 Moore, P.B. 196, 4715, 5871.
 Moore, P.D. 6299.
 Moore, R. 292.
 Moore, R.L. 2076.
 Moore, S. 2184, 2290.
 Moore, S.K. 6204, 6207.
 Moorman, A.F.M. 942.
 Moraj, J. 3047.
 Moran, L. 482, 6227, 6228.
 Moran, L.A. 7468.
 Moran, R.G. 52, 3931, 4025.
 Moras, D. 5855.
 Morcillo, J. 4022.
 Morehouse, K.M. 3083.
 Morelli, G. 2601, 4945, 4957.
 Moren, G.M. 2200.
 Moreno Diaz De La Espina, S. 109, 1285.
 Morgan, A.F. 5082.
 Morgan, A.R. 153, 4296, 6137.
 Morgan, E.A. 3602.
 Morgan, L.R. 6283.
 Morgan, M.A. 6906.
 Morgan, M.J. 5316.
 Morgan, S. 6688.
 Morgan, S.D. 1325.
 Morgan, W.F. 6332.
 Morhenn, V.B. 4252.
 Mori, H. 2792.
 Mori, M. 6917.
 Mori, N. 1996.
 Mori, T. 3649, 5343, 6998.
 Morikawa, K. 1394, 2967.
 Morimoto, K. 5467.
 Morimoto, R. 2080, 2081, 4353, 4354, 4355, 6221.
 Morin, A.-M. 241.
 Morin, P. 5855.
 Morioka, S. 142.
 Moris, V.L. 4258.
 Morita, J. 3685, 6353.
 Morita, M. 5486.
 Morley, A. 411.
 Morosov, I.A. 768.
 Moroz, S.G. 5854, 6695.
 Morozov, I.A. 3457.
 Morozov, Yu.V. 5318.
 Morris, A.G. 1131.
 Morris, A.J. 3645, 6060.
 Morris, C.F. 7467, 7468.
 Morris, C.J.O.R. 1802.
 Morris, C.K. 2825.
 Morris, D.R. 1108.
 Morris, H.P. 3600, 4082.
 Morris, P.W. 524, 540.
 Morris, R.O. 5325.
 Morris, S.M., Jr. 6917.
 Morris, T. 690.
 Morris, T.J. 4143, 5967.
 Morris, V.L. 3863.
 Morrison, A. 6446.
 Morrison, D.A. 2877.
 Morrison, K.E. 6417.
 Morrison, L. 1274.
 Morrison, M.R. 6809.
 Morrongiello, M.P. 5404.
 Morrow, C.S. 7400.
 Morrow, J. 5065.
 Morrow, T.O. 3897.
 Morse, L.S. 3608, 3734, 3738.
 Moser, J. 6389, 6649, 6650.
 Morton, D. 2095.
 Mory, Y. 282.
 Moschel, R.C. 6108.
 Moschera, J. 4249.
 Moscona, M. 447.
 Mosman, McCoy, M.I. 6450.
 Moser, H. 4647.

- Moses, H.L. 3514, 4759.
Moses, R.E. 2680, 3814.
Mosharrafa, E. 2806.
Moshentseva, V.N. 5108.
Mosher, C.W. 1572.
Mosig, G. 662.
Mosin, A.F. 2585.
Moskalenko, E.P. 5188.
Moskaliuk, K.G. 7168.
Moskowitz Widman, M. 3403.
Moskowitz, M.A. 189.
Moss, B. 296, 1017, 1988, 1989, 4780, 6703, 6769, 6909.
Moss, S.H. 1077.
Moss, T. 1266, 6232, 6802.
Mossop, D.W. 4783, 5966.
Motlik, J. 307.
Motoda, Y. 6103, 6966.
Motohashi, J. 413, 3778.
Motrenko, E.G. 2657.
Mottershead, R.P. 2704.
Mottolese, M. 3934.
Motuz, L.P. 1452.
Mouches, C. 4241.
Moudrianakis, E.N. 2261, 3298.
Mount, D.W. 433.
Mouricout, M. 5332.
Mous, J. 4098, 5436.
Mousset, S. 7362.
Moustacchi, E. 1082.
Mouttet, C. 5808.
Mouttet, M.-E. 1937, 5499.
Mowbray, J. 3512.
Mowshowitz, S.L. 3579.
Moyer, G.H. 5203, 6841, 6842.
Moyer, R.W. 2873.
Moyer, S.A. 3584.
Moyné, G. 1244, 4383.
Mozer, T.J. 7384.
Mtsuka, G.Kh. 5333.
Mubumbila, M. 7291.
Muchamedganova, E.V. 1429.
Muel, B. 6536.
Mueller, C. 2635.
Mueller, G.C. 5663.
Mueller, W. 5080.
Muhlbach, H.-P. 4197.
Muhleman, D.R. 1350.
Muhs, W.H. 89, 5744.
Muir, P.D. 1790.
Mujica, F.G. 905.
Mukai, J.-I. 1208, 3124.
Mukaiyama, T. 65.
Mukamel, A. 6789.
Mukherjee, A.S. 7198.
Mukherjee, B.B. 5923.
Mukherjee, P.K. 1723.
Mulder, C. 1588, 1679, 7112.
Mulder, J. 843, 5434.
Muler-Hill, B. 661.
Mullenders, L.H.F. 3295.
Muller, A. 1473.
Muller, F. 6372.
Muller, H. 470, 1558, 2631.
Muller, H.K. 1015, 2636.
Muller, J.J. 3485.
Muller, M. 1980.
Muller, R. 4035, 5386, 5889.
Muller, U. 2250, 3314, 4542.
Muller, W. 2089, 5448.
Muller, W.E.G. 2803, 4041, 4042, 4591, 4647, 5282, 5541, 5775, 6607, 7113, 7376.
Muller, W.F. 6890.
Mulligan, R.C. 3869.
Mullinix, K.P. 7357.
Mullins, J.I. 7085.
Munch-Petersen, A. 5277.
Munck, A. 2042.
Munck, V. 6276.
Mungali, W.S. 2321.
Muni, D. 1055.
Munk, K. 6183.
Munns, T.W. 5948, 7400.
Munro, H.N. 189, 4536.
Munro, J.B., III 571.
Munroe, W.A. 3280.
Munsch, N. 7362.
Munsche, D. 1961.
Munson, B.R. 2197.
Muntz, K. 6894.
Munzenmaier, A.J. 2645, 7059.
Muradian, K.K. 6832.
Murai, N. 51, 105.
Murakami, A. 154, 4660, 5861.
Murakami, H. 358, 975, 1247.
Murakami, K. 218, 219, 552.
Murakami, N. 6997.
Mural, R.J. 4449.
Muramatsu, M. 887, 3054, 5625, 5985.
Muranov, A.V. 5348.
Muranova, T.A. 5348.
Murant, A.F. 872.
Muraö, K. 696.
Muraö, S. 1208.
Muraszko, K. 1546.
Murata, A. 4265.
Murchie, M.-J. 516.
Murdock, L.L. 213.
Murgoła, E.J. 2939.
Murialdo, H. 2291, 3711.
Murphy, E. 4306.
Murphy, E.C., Jr. 4240.
Murphy, J.B. 3813.
Murphy, J.R. 260.
Murphy, M.F. 1647.
Murphy, R.F. 2851, 7010, 7033.
Murphy, T.F. 2075, 6188.
Murray, K. 663, 5597, 7265.
Murray, S. 4123.
Murray, T. 2342.
Murti, K.G. 1798.
Murdy, C.N. 281, 5357.
Murzaev, V.I. 3819.
Musakhanov, M.M. 2654.
Muschik, G.M. 3366.
Muscoplat, C.C. 1103.
Musha, S. 672.
Mushinski, J.F. 5319, 5830.
Mushkacheva, G.S. 3331.
Mushrush, G.W. 1930, 2038.
Musiani, M. 7459.
Musolan, C. 6384, 6385.
Musso, R. 5599.
Mustafa, S. 4870.
Mustayev, A.A. 6094.
Musti, A.M. 5100.
Mustoe, T.A. 1531.
Muthukrishnan, S. 4242.
Muto, K. 5564.
Mutolo, A.M. 1044.
Mutolo, V. 5059.
Mutze, B. 2057.
Myannik, Ya.X. 7008.
Myasoeodov, N.F. 3393.
Myer, F.E. 2525.
Myers, D.K. 3815.
Myers, J.C. 1739.
Myers, M. 3724.
Myers, R.B. 1157.
Mygind, B. 5277.
Myser, W.C. 6307.
Myl'berg, A.A. 6493.
Naaktgeboren, N. 1450, 7469.
Naber, S.P. 480.
Naber, D. 7207.
Nabi, N. 6747.
Nacci, A. 5396.
Nadal-Ginard, B. 4155, 5438.
Nadeau, P. 2242.
Nadel, M. 3107.
Nagai, Y. 4489, 5190.
Nagami, K. 3152.
Nagamine, Y. 4828, 6415.
Nagano, H. 539, 4509.
Nagao, Y. 2847.
Nagasawa, H.I. 428, 1650.
Nagasawa, H. 2724, 5226.
Nagata, C. 735, 2052, 3683.
Nagata, N. 4261.
Nagata, T. 3205.
Nagley, P. 7, 1041, 4464, 6746.
Nagy, A.H. 3492.
Nagy, F. 2340.
Nagyvary, J. 3394, 3419.
Nahas, G.G. 5068, 7217.
Naik, S.R. 2351.
Naito, K. 841.
Najarian, R.C. 4564.
Nakada, D. 6161, 993, 4305.
Nakadate, M. 5467.
Nakagaki, M. 1009, 7439.
Nakagawa, A. 209.
Nakagawa, E. 141, 3423.
Nakagawa, S. 7314.
Nakahashi, T. 1504.
Nakajima, K. 3513.
Nakajima, Y. 4546.
Nakamizo, N. 5747, 5763.
Nakamoto, T. 4134.
Nakamura, K. 679, 1918, 2828, 4965, 7061, 7066.
Nakamura, M. 3503, 3779.
Nakamura, S. 139, 5913, 5914, 5915.
Nakamura, T. 443, 614, 5561.
Nakamura, Y. 2828.
Nakane, M. 2845.
Nakanishi, A. 2253.
Nakanishi, K. 74, 674, 6239.
Nakanishi, M. 498, 737, 2271.
Nakanishi, S. 3779, 3854, 4148, 5398.
Nakanishi, Y. 1725, 7452.
Nakano, J.H. 1014.
Nakano, Y. 1810, 2309.
Nakanoin, K. 224.
Nakao, H. 4478.
Nakashima, H. 6023, 7344.
Nakashima, K. 1810, 2309, 2980, 6907.
Nakashima, S. 5060.
Nakashima, Y. 6521.
Nakata, A. 706, 6162.
Nakatsuka, S. 2325.
Nakatsuka, T. 65.
Nakatsumi, K. 4265.
Nakayama, C. 1191, 1733.
Nakayama, T. 2196.
Nakayasu, M. 1867.
Nakazato, H. 3633, 5389.
Nakhasi, H.L. 938, 6012.
Nanda, K.K. 6017.
Nandi Majumdar, A.P. 5626.
Nandi, P.K. 7424.
Nandi, S. 2140, 7447.
Nandi, U.S. 2446, 6960, 7012.
Naquira, C. 311.
Narahari, P. 3843.
Narang, A.S. 70.
Narang, S.A. 1335, 4059.
Narasaka, K. 65.
Narasimhan, S. 3163.
Narayan, O. 4392.
Narbonne, J.-F. 190, 289.
Nardacci, N.J. 276.
Nardi, I. 3980.
Nardon, P. 3356.
Narita, K. 3227.
Narni, F. 5007.
Naroditsky, B.S. 4598, 4949, 1004, 2619, 4944, 6174, 6337, 7326.
Nash, A.A. 4644.
Nash, H. 4447.
Nash, H.A. 476, 664, 7456.
Nash, W.G. 2753.
Nashimoto, H. 4446.
Nasim, A. 2707, 3158.
Naslund, P. 4484.
Naslund, P.H. 1174.
Nasmyth, K.A. 3276, 6322.
Nasonova, V.A. 2827.
Nasrat, B. 2829.
Nass, G. 4088.
Nass, K. 5239.
Nasz, I. 1004.
Nasz, J. 2619.
Natali, P.G. 3934.
Natarajan, A.T. 3327, 3329.
Natarajan, V. 6697.
Nathan, D.G. 6248.
Nathans, D. 665, 3749, 3750, 3826.
Nathans, J. 2363.
Natori, S. 1725, 4816, 4828, 6415, 6883.
Natori, Y. 4709, 6053.
Natraj, C.V. 3184.
Naumov, G.N. 3026.
Naumova, L.P. 926, 1866, 2000, 3425, 3435.
Naumovich, N.G. 4066.
Nave, C. 4925.
Nawa, S. 5606.
Nayak, D.P. 6782.
Nazar, R.N. 249, 810, 1904, 2464, 5244, 6528, 6798.
Nazarenko, I.A. 3439, 5819.
Nazerian, K. 7054.

- Nealon, T. 6455.
 Neame, K.D. 2129.
 Near, R.I. 4760.
 Neave, E.J. 3441.
 Nebert, D.W. 3671, 4274, 4895.
 Nebzydoski, J.A. 2581, 6108.
 Nedorezova, T.P. 5773.
 Nedospasov, A.A. 768.
 Nedospasov, S.A. 639, 2244, 3699.
 Neeleman, L. 3647.
 Nees, S. 4624.
 Negishi, K. 77, 2329, 3447.
 Negro, P. 4623.
 Nei, M. 2949.
 Neidhardt, F.C. 823.
 Neidle, S. 98, 1380, 4077, 5233.
 Neil, J. 3023.
 Neill, R.J. 5836.
 Neilson, T. 1382, 1383, 2447, 6773.
 Neiman, P.E. 1129, 1686, 1936.
 Neishtadt, E.L. 6257.
 Nelsestuen, G.L. 906, 5748.
 Nelson, D. 3961.
 Nelson, D.A. 1164.
 Nelson, H.C. 5304.
 Nelson, J. 2805.
 Nelson, N.J. 1150.
 Nelson, P.G. 1524.
 Nemer, M. 4809.
 Nencheva, M.M. 3130.
 Nermut, M.V. 2831.
 Nes, I.F. 510.
 Nesmeyanova, M.A. 1889.
 Nester, E.W. 5097.
 Nesterenko, V.F. 3927.
 Nesterov, V.M. 29.
 Nesterova, S.M. 5426.
 Nesvera, J. 2748.
 Netrawali, M.S. 1516, 6115, 6831, 6840.
 Netyosov, S.V. 2445.
 Neubort, S. 7173.
 Neuhaard, J. 565.
 Neumann, K.H. 1054, 2675.
 Neumann-Haefelin, D. 5296.
 Neumoina, I.P. 3884.
 Neve, R.L. 3850.
 Neville, M.E. 6197.
 Nevins, J.R. 2484, 5992.
 Nevinsky, G.A. 1411, 4696.
 Newbold, R.F. 6982.
 Newcomb, W.W. 3737.
 Newell, N. 5503.
 Newman, C.N. 633.
 Newman, A.J. 4970.
 Newman, A.M. 1487.
 Newman, C.N. 2264.
 Newman, S.A. 3304.
 Newsholme, E.A. 564.
 Newton, M.E. 320.
 Neyfakh, Y.A. 5475.
 Ng, S.-Y. 3901, 7358.
 Nguen Di Sik. 6456.
 Nguen Van Kim 6456.
 Nguyen-Huu, M.C. 484, 2504, 3012, 3128.
 Niaudet, B. 4443, 5077.
 Niaz, G.R. 3389.
 Nicolai, N. 1856, 6621.
 Nichols, B.P. 2211, 3713, 6426.
 Nichols, D.L. 6865.
 Nichols, J.C. 3913.
 Nichols, J.L. 4789, 6813.
 Nicholson, A.W. 2426.
 Nicholson, G. 6414.
 Nicholson, W.E. 4251.
 Nickel, P. 3076.
 Nickol, J.M. 275.
 Nickolaev, A.I. 3558.
 Nicola, N.A. 6096.
 Nicolaieff, A. 5680.
 Nicolaisen, A. 5277.
 Nicolaisen, B. 6164.
 Nicole, L. 6719.
 Nicoletti, B. 1162.
 Nicolini, C.A. 5664, 4574, 4575.
 Nicosia, S. 4571.
 Nicotra, M.R. 3934.
 Niedergang, C. 27.
 Nielsen, O.F. 5411, 1968, 2215.
 Nielsen, P.E. 2406.
 Nielsen, S.J. 3570.
 Nieman, R.H. 2921.
 Niemiec, P. 7380.
 Nienhuis, A.W. 226, 916, 7288.
 Nierhaus, K.H. 817, 1416, 1441, 2960, 2961, 2962, 3495, 4119, 5909, 6717.
 Nierlich, D.P. 4264, 4592.
 Nierman, W.C. 6851.
 Niessing, J. 4147, 5148.
 Nieuwenhuysen, P. 798, 1435, 1436, 6467, 6721.
 Niggemann, E. 6167.
 Nihmura, M. 694.
 Niyama, Y. 1126.
 Niizuma, K. 2320.
 Nijhawan, P. 4808.
 Nijkamp, H.J.J. 4372.
 Nijs, G. 7378.
 Nikaido, O. 6998.
 Nikiforov, V.G. 6408.
 Nikolaev, L.G. 1759, 3953.
 Nikolaev, N. 3555.
 Nikolaeva, A.I. 2234.
 Nikolaeva, I.A. 365.
 Nikolaeva, O.G. 3982.
 Nikolaeva, T.G. 2330.
 Nikolaevskaja, N.G. 3331.
 Nikolin, V.P. 5650.
 Nikolskaya, I.I. 566, 3277, 5136, 394, 2814, 5169.
 Niles, E.G. 1949.
 Nilson, T.W. 6901.
 Nilsson, J.H. 3529.
 Nilsson, B. 3192.
 Nilsson, L. 4581.
 Nilsson, S. 5764.
 Ninio, J. 4067, 5691, 6423.
 Ninkina, N.N. 6120.
 Nishi, S. 5936.
 Nishida, K. 3666.
 Nishigaki, S. 3370.
 Nishigori, H. 2797, 3804.
 Nishiguchi, H. 358, 1247.
 Nishiguchi, J. 3788.
 Nishihara, H. 4425.
 Nishikawa, K. 878, 1950.
 Nishikawa, S. 141, 1871, 3440, 5647.
 Nishimoto, T. 2260.
 Nishimura, A. 3756.
 Nishimura, C. 2797.
 Nishimura, K. 3685.
 Nishimura, S. 111, 171, 179, 1228, 1315, 1348, 1394, 3114, 3447, 3453, 5170, 5171, 5754, 5760, 6672.
 Nishimura, T. 1443, 5564, 5896, 6866, 7182.
 Nishimura, Y. 1348, 6594.
 Nishino, T. 552, 1208, 1217.
 Nishio, Y. 5416.
 Nishioka, H. 5549.
 Nishioka, M. 2020.
 Nishioka, S. 2177.
 Nishioka, Y. 930.
 Nishitai, K. 5727.
 Nisimura, Y. 1394.
 Nissen-Meyer, J. 510.
 Nitta, N. 77.
 Niu, C.-H. 3372.
 Niveleau, A. 5865, 6905.
 Niyogi, S.K. 999.
 Nkrumah, F.K. 3733.
 Nobbs, D.M. 1828.
 Noble, E.P. 4123, 6880.
 Noble, J.S. 5393.
 Noble, S. 186.
 Nobrega, F.G. 7278.
 Nocentini, S. 1748, 2716, 5154.
 Nock, A. 3334.
 Noda, K. 4709.
 Noel, G. 7228.
 Noel, K.D. 2766.
 Noguchi, S. 1228, 1348, 5171.
 Nohara, T. 4632.
 Nolan, L.L. 2316, 2333.
 Noll, F. 3487.
 Noller, H.F. 1027, 5386, 5387, 5482.
 Nomiyama, H. 3124, 4930.
 Nomoto, A. 1797, 2272, 4169, 4859, 5959, 6775, 6786.
 Nomoto, S. 5896.
 Nomoto, Y. 60.
 Nomura, A. 73, 239.
 Nomura, K. 323, 6594.
 Nomura, M. 391, 1605, 2078, 3479, 3602, 4973, 5991, 6206, 6208, 6363, 6727.
 Nomura, N. 3704, 5486.
 Nomura, S. 3209.
 Nonoyama, M. 3581, 4189, 4328.
 Nooden, L.D. 605.
 Noon, P. 3304.
 Noordermeer, I. 6855.
 Noort, A. 6913.
 Norden, A. 957.
 Norden, B. 2587, 3678.
 Nordenfelt, E. 5150.
 Nordenskjold, M. 4402.
 Nordheim, A. 2603, 3708.
 Nordstrom, J.L. 2490, 3519, 4203.
 Nordstrom, K. 2148.
 Norgard, M.V. 1135, 5085.
 Norgren, A. 4153.
 Norin, A.J. 5601.
 Norlander, L. 7274.
 Norling, L.L. 2321.
 Norman, B. 2668.
 Normark, S. 7064, 7274.
 Normura, M. 2079.
 Norn, S. 929.
 Noronha-Blob, L. 6654.
 Norris, A.R. 6579.
 Norris, K.E. 5792, 5816, 5817.
 North, T.W. 687.
 Northemann, W. 4.
 Norval, M. 4149.
 Norwood, T.H. 5560.
 Nosaka, Y. 2052.
 Nose, K. 2400.
 Nosedá, V. 4121.
 Nosikov, V.V. 2607.
 Noskin, L.A. 1081, 1654.
 Nossal, N.G. 5222, 6523.
 Notbohm, H. 5214.
 Notkins, A.L. 1061.
 Notman, H. 80.
 Notter, M.F.D. 1072.
 Novak, J. 2731.
 Novak, U. 6436.
 Novakovic, M.B. 1907.
 Novello, F. 4835.
 Novick, R.P. 6344, 4306, 6212.
 Novitskii, K.Yu. 2904.
 Novogrodsky, A. 1107.
 Novokhatsky, A.S. 1870, 2739, 3438, 4851.
 Novoshinov, G.P. 3222.
 Nowak, G. 5821.
 Nowak, J.A. 2627.
 Nowak, M.J. 4616.
 Nowock, J. 2198, 3248.
 Noyes, B.E. 4793, 6764.
 Noyori, R. 90, 1358, 4634, 6586.
 Nozakai, R. 4336.
 Nozaki, S. 3152.
 Nozick, N.D. 3557.
 Nozinic, R. 7143.
 Nozu, K. 4227.
 Nucci, R. 1222, 5143.
 Nudel, U. 930, 4795, 5918.
 Numa, S. 3779, 3854, 4148, 5398.
 Nunberg, J.H. 3854, 1694.
 Nunn, A.D. 338.
 Nunn, W.D. 4415.
 Nuriddinov, R.N. 4075.
 Nurnberg, H.W. 5003.
 Nurse, P. 3617, 3618.
 Nuss, D.L. 2006.
 Nuss, M.E. 6639.
 Nussle, R. 2395, 6820.
 Nusslein-Crystalla, V. 4338.
 Nuzzo, F. 6310.
 Nyborg, J. 2967.
 Nygard, O. 1515, 4723.
 O'Farrell, P.Z. 172, 1396.
 O'Malley, B.W. 483.
 O'Brien, P. 7152.
 O'Brien, S.J. 2753.
 O'Brien, T.J. 2192, 2193.
 O'Brien, T.W. 4737.
 O'Brien, W.J. 6942.
 O'Callaghan, D.J. 1236, 3737.
 O'Connell, A. 1544.
 O'Connell, C. 2562.

- O'Connell, M. 5366.
 O'Connor, D.J. 2083.
 O'Connor, R. 1966.
 O'Dea, M.H. 3274.
 O'Farrell, M.K. 6282.
 O'Farrell, P.H. 1888, 2149.
 O'Gara, F. 6211.
 O'Hara, P.J.A. 4769.
 O'Hare, K. 1050, 3773.
 O'Malley, B.W. 402, 2490, 3519, 3588, 3772, 3774, 4203, 4362, 4363, 4467, 5237, 5520, 6370.
 O'Malley, J.A. 741.
 O'Melia, A.F. 6869.
 O'Rear, J.J. 5502.
 O'Shea, D.C. 2570.
 O'Toole, C. 1894.
 Oakes, J.E. 3410.
 Oakley, J.L. 5624.
 Oba, K. 921.
 Obara, K. 2414.
 Obaturov, G.M. 6113.
 Obe, G. 3082, 3329.
 Oberg, B. 5150.
 Oberst, R.J. 5948, 7400.
 Obijeski, J.F. 1014.
 Obolenskaya, M.Yu. 457.
 Obonai, K. 2693.
 Obuchova, N.A. 1609.
 Ochoa, S. 4748, 4750.
 Ochsner, I. 4717.
 Oczos, A. 5749.
 Oda, K. 179, 1265, 2862.
 Oda, T. 443, 614, 2545, 2857, 3816, 5451, 6747.
 Odelson, D.A. 3021.
 Odink, K.G. 7055.
 Odintsova, M.S. 4720.
 Odinzov, V.B. 820, 1173.
 Odom, D.G. 5794.
 Odom, O.W. 3450.
 Oeda, K. 5032.
 Oertel, W. 5490.
 Ofengand, J. 1401, 4105.
 Oganecjan, M.G. 6409.
 Ogata, K. 3510, 3632, 4013, 5881.
 Ogata, R.T. 2872.
 Ogawa, H. 3721.
 Ogawa, K. 878, 2307, 2813, 4054, 5727, 5734.
 Ogawa, M.K. 6584.
 Ogawa, S. 4614.
 Ogawa, Y. 4610.
 Ogden, I.D. 6949.
 Ogden, R.C. 86.
 Ogilvie, A. 3460.
 Ogilvie, K.K. 1339, 2313, 2361, 4020, 4613.
 Ogura, H. 81, 83.
 Ogura, R. 1701.
 Oh'Hara, I. 3301.
 Ohara, S. 2845.
 Ohashi, A. 1191, 1733.
 Ohashi, M. 1193, 2800, 2834, 5563.
 Ohgi, T. 24, 1228, 1348, 2325, 5171.
 Ohgushi, H. 2216, 6340.
 Ohi, S. 401.
 Ohira, M. 997.
 Ohki, M. 4615.
 Ohkubo, I. 557.
 Ohkuma, S. 1400.
 Ohlsson, R. 1554.
 Ohnishi, T. 4227.
 Ohnishi, Y. 1999.
 Ohno, S. 360, 5123.
 Ohno, T. 2469.
 Ohono, Y. 7438.
 Ohrt, J.M. 3364.
 Ohsumi, M. 5450, 5493.
 Ohta, F. 1860.
 Ohta, S. 5915.
 Ohta, T. 162, 4390.
 Ohtani, S. 242.
 Ohtsubo, E. 2549, 2568, 2600, 5489.
 Ohtsubo, H. 2568, 5489.
 Ohtsuka, E. 128, 134, 141, 1376, 1864, 1871, 3423, 3440, 5647, 6631, 6632.
 Ohtsuka, Y. 1809.
 Ohtsuki, K. 2432.
 Ohyama, K. 471, 1400.
 Ohyama, Y. 162.
 Oikawa, A. 7391.
 Ojala, D. 3788.
 Ojha, M. 589.
 Oka, A. 3704, 3756, 5486.
 Okada, H. 1867, 7438.
 Okada, K. 997, 1592.
 Okada, M. 735.
 Okada, N. 179, 1228, 5170, 5171.
 Okada, S. 362, 2116.
 Okada, T.A. 6520.
 Okada, Y. 786, 1769, 1976, 5423, 6404, 6406.
 Okamoto, H. 2400.
 Okamoto, K. 6026.
 Okamoto, T. 81, 688, 3102, 6988.
 Okamura, S. 544.
 Okawa, M. 7409.
 Okazaki, H. 27, 1958.
 Okazaki, M. 2467.
 Okazaki, T. 1703, 7206, 7312.
 Okekawa, O. 209.
 Oken, C. 4052.
 Okenquist, S. 1130.
 Oki, T. 2926.
 Okita, T.W. 531, 5866.
 Okolie, E.E. 5178.
 Okonek, M. 6755.
 Okos, A. 3153.
 Okuhara, E. 5738.
 Okuno, S. 236.
 Okuno, T. 925.
 Okura, A. 2799.
 Olah, T. 298, 4724.
 Olaf, M. 6613.
 Old, J.M. 1896, 6248.
 Old, R.W. 2516, 2599.
 Oldham, J.W. 2711.
 Olds-Arroyo, L. 5290, 5291.
 Oldstone, M.B.A. 6272.
 Oledzka, H. 7219.
 Oleinick, N.L. 6837.
 Oleinick, S. 5187.
 Olins, A.L. 602, 5206.
 Olins, D.E. 582, 602, 4547, 5198, 5206, 7437.
 Olinski, R. 436.
 Olivares, J. 1695.
 Olive, P.L. 964, 6298, 7175, 7176.
 Oliver, D.R. 2242.
 Oliver, S.G. 1487, 4821.
 Olivera, B.M. 4397.
 Olivier, V.P. 684, 5300.
 Ollier de Marichard, C. 698.
 Oloff, H. 683.
 Olsen, I. 5586.
 Olsen, K.L. 1263.
 Olsen, R.H. 3660.
 Olshevsky, U. 3520.
 Olshes, S. 5359, 5431.
 Olson, A.J. 2463.
 Olson, C. 2630.
 Olson, H.M. 6718.
 Olson, M.V. 3877, 4831.
 Olson, W.K. 4062, 5480, 5481.
 Olsson, L. 2736.
 Olaszewska, M.J. 5151.
 Omenn, G.S. 1524.
 Omine, M. 2093.
 Omori, A. 2182.
 Omura, H. 358, 975, 1247.
 Omura, S. 209.
 Omura, T. 3504, 6747.
 Onal, M. 5906.
 Onikul, S.R. 3282.
 Onishi, T. 5985.
 Ono, B.-I. 4463.
 Ono, K. 1191, 1733.
 Ono, M. 1185, 5424, 5524, 7271.
 Ono, T. 910, 2116, 6265.
 Ono, Y. 1736, 4261.
 Onodera, S. 2228.
 Ooka, T. 3262.
 Openshaw, H. 1061.
 Oppenheimer, J.H. 4794.
 Oppermann, H. 545, 3045.
 Oratz, M. 526.
 Orbell, J.D. 5785.
 Ord, M.G. 594, 2491, 2843, 3309.
 Ordahl, C.P. 1495.
 Orekhov, A.V. 4556.
 Oreshina, M.G. 4472.
 Oreshkova, S.F. 7395.
 Orf, J.W. 6489.
 Orgel, L.E. 112, 733, 4067, 6630.
 Orkin, S.H. 2671, 6248.
 Orkisz, S. 1242.
 Orlova, E.B. 5135.
 Orlov's'ka, N.M. 6683.
 Orlowski, M. 3027.
 Ornstein, R. 373.
 Ornstein, R.L. 6126.
 Ornston, L.N. 7266.
 Oro, J. 6088.
 Orrenius, S. 1562, 2055.
 Orsi, P. 888.
 Orth, D.N. 4251.
 Ortwerth, B.J. 4686, 6679.
 Osato, T. 5596.
 Osawa, S. 2983.
 Osborn, J.E. 4950.
 Osborne, M.R. 2060, 3064.
 Oshima, T. 171, 5913, 5914, 5915.
 Oshiro, Y. 6978.
 Osieka, R. 2115.
 Osinga, K.A. 7076.
 Osipova, T.I. 778, 1879, 2388.
 Osland, A. 1198.
 Osnyach, V.S. 4299.
 Ossoinak, A. 4763.
 Osswald, H. 5737.
 Ostashevsky, Y.Ya. 6125.
 Oste, C. 3478.
 Ostenburg, J.C. 3532.
 Osterberg, R. 805, 1424.
 Osterburg, G. 3102.
 Osterburg, H.H. 2474.
 Osterman, H.L. 1159, 5615, 6393.
 Ostertag, W. 6181.
 Ostro, M. 1239, 4846.
 Ostro, M.J. 2538.
 Ostrove, J.M. 6844.
 Ostrow, R.S. 5983.
 Osumi, M. 2555.
 Ota, K. 3666.
 Ota, Y. 5913.
 Otani, S. 139.
 Otsubu, N. 3677.
 Otsuka, A. 2643.
 Otsuki, Y. 5423.
 Ott, A. 3739, 4327.
 Ott, G. 2478.
 Ott, T. 729.
 Otten, J.A. 2525.
 Otten, U. 4219.
 Ottenwalder, H. 4768.
 Otto, B. 647.
 Ottolenghi, S. 2436, 5929.
 Otvos, L. 42, 746, 5742, 5811.
 Oudet, P. 624, 634, 5201.
 Ouellette, A.J. 3631.
 Ovcharenko, G.V. 5333.
 Ovchinnikov, L.P. 223, 2969, 3338, 3985, 3986, 6094, 6530, 6937.
 Ovchinnikov, Yu.A. 1585, 2356, 5348, 5820.
 Ove, P. 3818, 3919.
 Overbeek, G.P. 5353.
 Owen, R.J. 1608.
 Owens, J.G. 2582.
 Owens, L. 5248.
 Owens, R.A. 1481, 1600.
 Oxford, J.S. 1938.
 Oxman, M.N. 2292.
 Oya, A. 4503.
 Oyen, T.B. 319.
 Ozaki, H. 7388.
 Ozeki, H. 997, 1592.
 Ozer, H.L. 5071.
 Ozeretskovskaya, N.N. 6456.
 Ozoline, O.N. 6409.
 Ozols, A.M. 4029.
 Paau, A.S. 6088.
 Pabo, C.O. 5677.
 Pace, N.R. 4340.
 Paces, V. 666, 692.
 Pachi, C.A. 234.

- Padchenko,E.D. 38.
- Paddock,G.V. 1142, 1051, 1494.
- Padeiskaya,E.N. 1711.
- Padgett,B.L. 3740.
- Padgett,R.A. 3038.
- Padilla,M. 830.
- Padmanabhan,R. 508, 6169, 6382.
- Padmanabhan,U. 2656.
- Padyukova,N.S. 3885, 4479.
- Paffenholz,V. 1086.
- Pagani,L. 2694.
- Page,M. 3665.
- Pages,J.M. 787, 2959.
- Pages,M. 5477.
- Pagoulatos,G.N. 3989.
- Paigen,K. 3643.
- Pain,J. 5838.
- Painter,R.B. 3146, 6330, 7210, 7211, 7451.
- Pal,B.C. 53, 88.
- Pal,B.K. 1941.
- Pal'mina,N.P. 5565.
- Palacian,E. 4730, 6715.
- Palacios,R. 3047.
- Palan,P.R. 3911.
- Palatnik,C.M. 4244.
- Palau,J. 2245, 2837.
- Palecek,E. 6133, 6495.
- Palese,P. 2455, 2987, 6184.
- Palit,J. 2225.
- Pallansch,M. 2005.
- Palleschi,C. 4074.
- Pallotta,D. 416, 3137, 5008.
- Palmer,D.A. 6489.
- Palmer,D.N. 1908, 5344.
- Palmer,E. 2009.
- Palmer,M.K. 5482.
- Palmer,M.L. 1027.
- Palmieri,M. 1124.
- Palmiter,R. 5608.
- Palmiter,R.D. 4856.
- Palukaitis,P. 1019, 6195.
- Palumbo,D.A. 5652.
- Pan,C.G. 6489.
- Pan,C.J. 1987.
- Pan,F. 5847.
- Panayotatos,N. 6165, 6166.
- Panem,S. 2919.
- Panet,A. 858, 2207, 2208.
- Panijel,J. 3188, 7199.
- Panitz,R. 4201.
- Pankowski,J. 5302.
- Pannekoek,H. 6855.
- Panov,M.A. 6867.
- Panusz,H. 1626.
- Panzica,R.P. 699, 4630.
- Pao,C.C. 3416.
- Paoletti,C. 3231, 3232, 6995.
- Paoletti,E. 2006.
- Paolozzi,L. 2764, 5165, 6356.
- Pap,D.L. 2921.
- Papa,S. 1765.
- Papaconstantinou,J. 6805.
- Papadimitriou,J.M. 1754.
- Papahadjopoulos,D. 2892.
- Papas,T.S. 7322.
- Pape,L.K. 2984.
- Papermaster,D.S. 6072.
- Papies,B. 5937.
- Papini,M. 5160.
- Papovov,V.D. 1768.
- Pappas,P.W. 4860.
- Paque,R.E. 4593, 5180, 6455.
- Paradies,H.H. 4698, 6696.
- Paradiso,P.R. 6521.
- Pardee,A.B. 5610, 7375.
- Pardo,D. 6726.
- Pardue,M.L. 4706.
- Pardue,S. 6809.
- Pares,R. 7223.
- Pares,X. 1707.
- Parass,P. 3014.
- Parfait,R. 1172, 1442, 2955.
- Parfenov,N.N. 4949.
- Parfionov,N.N. 2653.
- Parham,J.C. 1804.
- Parish,S.M. 2096.
- Park,N.H. 1846.
- Park,S.D. 7154, 7180.
- Park,W.D. 5669.
- Parker,B.A. 6826.
- Parker,C.S. 3901.
- Parker,D.L. 5532.
- Parker,M.G. 10, 4096, 4183.
- Parker,R.C. 2563.
- Parker,S. 4429, 6702.
- Parkhurst,J.R. 715, 1213.
- Parkhurst,L.J. 1872.
- Parmeggiani,A. 2965, 6755.
- Parodi,S. 3674, 3807, 3817, 4898.
- Parr,R. 386.
- Parr,R.P. 4780.
- Parris,D.S. 2127.
- Parry,J.M. 1657.
- Parshad,R. 349, 5671, 6516.
- Parsons,B.J. 5723.
- Parsons,J. 6317.
- Parsons,P.G. 1274, 5559.
- Parsons,R.G. 1149.
- Parsons,S.M. 549.
- Parthasarathy,R. 66, 1845, 3364.
- Parthier,B. 514, 6894.
- Partington,C.R. 6591.
- Partridge,J.E. 6403.
- Pascal,M. 5156.
- Pascoe,M.J. 4369.
- Pashev,I.G. 3130.
- Pasqualini,C.D. 5179.
- Pastan,I. 667, 899, 2745, 5977, 6918.
- Pasternak,J. 186, 3120, 5393.
- Pastuszyn,A. 1406.
- Pasupathy,K. 1656.
- Paszyc,S. 2936.
- Patanavanich,S. 1423.
- Patch,C.T. 6935.
- Patel,A.D. 118.
- Patel,D.J. 2366, 2929, 4667, 5812, 6637.
- Patel,K.R. 6476.
- Paterson,A.R.P. 2351, 5278.
- Paterson,B.M. 6057, 6058.
- Paterson,M.C. 437, 3075.
- Pathak,M.A. 4272, 7088.
- Pathak,S. 3972.
- Pathak,S.N. 2293.
- Patient,R.K. 6140, 6141, 6143, 6144, 6364.
- Patil,M.S. 3163.
- Patil,S.S. 4256, 7253.
- Patkowski,A. 753, 2380, 6669.
- Patrick,M.H. 5548, 7190.
- Patrushev,L.I. 1182.
- Pattabiraman,N. 368, 3087.
- Patte,J. 6201.
- Patterson,E. 3832.
- Patterson,R. 1446.
- Patton,J.T. 2202, 6004.
- Paucha,E. 2158, 5339.
- Paukstelis,J.V. 5826.
- Paul,C. 7229.
- Paul,J. 2599, 3039, 4838, 6181.
- Paule,M.R. 525, 1187, 1729, 2201, 5628, 6418.
- Pauley,R.J. 3598, 4237.
- Paulin,D. 2784.
- Pauluhn,J. 3667, 6104.
- Paulus,H. 842, 1723.
- Pauly,J. 2132.
- Paunescu,E. 2099.
- Pauw,P.G. 7466.
- Pavan-Langston,D. 3409.
- Pave,A. 6031.
- Pavlis,R. 3169.
- Pavlova,M.P. 2188.
- Pavlovic,A. 6707.
- Pavlovsky,A.G. 4479, 1158.
- Pawelkiewicz,J. 759, 6685.
- Pawlowitzki,I.H. 3239.
- Pawlowski-Konopnicki, B.E. 120.
- Pawson,A. 4163.
- Paxton,W. 2538.
- Payne,C.C. 3536.
- Payne,P.I. 4739.
- Pays,E. 515, 6876.
- Payvar,F. 5228, 6874.
- Peacock,W.J. 313, 3960.
- Peak,M.J. 3151.
- Peale,A.L. 2512, 5279.
- Pearlman,R.E. 5715.
- Pearlstein,R.M. 1863.
- Pearson,C.K. 1389, 4379, 4426.
- Pearson,G.D. 1796, 6533.
- Pearson,J.A. 2998.
- Pearson,K.H. 1755, 1757.
- Pearson,W.R. 1058, 7010.
- Peattie,D.A. 4770.
- Peavy,D.E. 2539.
- Peden,K. 7072.
- Pedersen,S. 2534, 6714.
- Pederson,T. 587, 3565, 4796, 6512.
- Pedone,F. 1257.
- Pedrali Noy,G. 4818.
- Peebles,C.L. 1223.
- Peeters,B. 4098, 5436.
- Pegg,A.E. 791, 828, 1089, 1567, 1652, 2122, 2401, 2431, 3675, 4899, 5042, 7161.
- Pehling,G. 2469.
- Peil,S. 3233.
- Peisach,J. 341.
- Pejskova,I. 429.
- Pelcher,L.E. 3201.
- Pelevina,I.I. 5050.
- Pelham,H.R.B. 2462, 6065, 6704, 6770.
- Pelkonen,O. 4274.
- Peller,S. 7303.
- Pelletier,M. 4431, 5062.
- Pellicier,A. 161, 5116.
- Peltier,A.P. 3284.
- Peltz,R. 5366.
- Pemberton,J.M. 2069.
- Penades,S. 1365.
- Pendergrass,W. 5560.
- Pendleton,T.S. 6595.
- Pendyala,L. 3375.
- Penglis-Caredes,F. 1828.
- Penman,S. 267, 588, 1457, 3050, 4797.
- Penn,N.W. 106.
- Pennequin,P. 1890.
- Penner,J.D. 2728.
- Pennica,D. 210, 1503, 4781.
- Penon,P. 150.
- Penziko,G.A. 2772.
- Penzikova,G.A. 4472.
- Pepe,G. 4795, 5528.
- Perahia,D. 367, 372, 4019, 4289, 6644, 7006.
- Peraudeau,L. 4207.
- Percy,J.S. 2146.
- Perdchoval,L. 5133.
- Perdrix-Gillot,S. 2685, 5571, 6323.
- Perdue,M.L. 4373, 5380.
- Pereira,M.A. 6975.
- Perekrest,V.V. 2739.
- Perelman,B.V. 2510.
- Perevezentseva,O.S. 5135.
- Perevozchikov,A.P. 862, 3569, 4196, 6943.
- Perez Ayuso,E. 905.
- Perez Urena,M.T. 1133.
- Perez-Bercoff,R. 4238, 6895.
- Pergolizzi,R.G. 175, 4674, 4679.
- Perham,R.N. 1527.
- Peries,J. 2477.
- Perin-Roussel,O. 1564.
- Perkins,J.B. 989.
- Perler,F. 7083.
- Perlman,P.S. 3876.
- Perlo,C. 205, 2420.
- Permin,H. 929.
- Perrmogorov,V.I. 641.
- Perrmutt,M.A. 316.
- Perna,B. 1161.
- Pero,J. 6160.
- Pero,R.W. 230, 957, 1459, 3170, 4278.
- Perraud,M. 3285.
- Perrault,J. 868, 6794.
- Perrault,W.J. 3974.
- Perriard,E.R. 227.
- Perriard,J.-C. 227, 6873.
- Perriaudet,M. 2751, 6768.
- Perrin,D. 4462.
- Perrin,F. 1046, 1991, 2665, 3773, 4939, 5114, 5608, 6233, 6235.
- Perry,B.N. 2854.
- Perry,M. 1164.
- Perry,M.E. 3961.
- Perry,R.P. 2493, 4839, 5399, 6810, 6929.
- Pershin,G.N. 1711, 2904.

- Persson, H. 2155, 6768.
 Pescatori, E. 4160.
 Pesce, A. 1179.
 Peshin, N.N. 1447, 2405, 6741.
 Peskin, A. 4576.
 Peskin, A.V. 3634.
 Pestana, A. 3339, 3341, 3996.
 Pestka, S. 209, 819, 2278, 2444, 3014, 4857, 6712.
 Peterlin, B.M. 6523.
 Peterman, B.F. 1288.
 Peters, C. 5245.
 Peters, D. 3258.
 Peters, D.H. 6081.
 Peters, E.H. 5220.
 Peters, F. 2943.
 Peters, G. 7116.
 Peters, W. 831.
 Peters, W.H.M. 1534, 2536, 2948.
 Petersen, G.B. 6153.
 Petersen, H.U. 1880.
 Petersen, I. 6280.
 Peterson, A.R. 4645.
 Peterson, C. 7228, 7229.
 Peterson, D.T. 4138, 6760.
 Peterson, H. 4645.
 Peterson, S.P. 3523.
 Pettersson, A. 770.
 Petes, T.D. 2746, 3325, 6513.
 Peticolas, W.L. 5757.
 Petit, J.-F. 4313.
 Petitjean, A.M. 1731.
 Petranovic, D. 7143.
 Petranovic, M. 7143.
 Petre, J. 4116.
 Petrov, A.S. 4900.
 Petrov, P.A. 395, 2561.
 Petrova, A.N. 5980.
 Petrovic, J. 3194.
 Petrovic, L.S. 3994.
 Petrovic, S.L. 1907.
 Petrusek, R. 3167.
 Petryshyn, R. 4710.
 Petschow, B. 5163.
 Pettersson, I. 5346, 5870.
 Pettersson, R.F. 2817.
 Pettersson, U. 2155, 2618, 3723, 4775, 6768.
 Pettijohn, D.E. 6507.
 Petty, R.E. 2830.
 Petukhova, M.B. 940.
 Petzet, A. 2425.
 Petzold, G.L. 347.
 Petzold, S.J. 1666, 7165.
 Peumans, W.J. 591, 4858, 5197, 6931.
 Peunova, N.I. 2997, 6807.
 Pevzner, L.Z. 1253, 1458, 4221.
 Pezzuto, J.M. 6753.
 Pfahl, M. 1304, 3993, 4566.
 Pfendt, E.A. 4252.
 Pfennig, Yeh, M. 2483.
 Pfister, H. 6190.
 Pfisterer, J. 590.
 Pfeleiderer, G. 3225.
 Pfeleiderer, W. 45, 91, 123, 138, 6615, 6633.
 Pflugfelder, G. 1726.
 Pföhl-Leszkiwicz, A. 4893.
 Pfeiffer, B.H. 6123, 6439.
 Philip, P. 5790.
 Philippe, M. 1194, 1195.
 Philippsen, P. 1031, 1138, 1139.
 Philipps, E.J. 3681.
 Philipps, F.S. 2117, 5770.
 Philipson, L. 6484, 6768.
 Phillips, C. 657.
 Phillips, D. 601.
 Phillips, D.H. 2056, 4903.
 Phillips, G.O. 5723.
 Phillips, J.A. 3644.
 Phillips, J.P. 4811, 7349, 7350.
 Phillips, R.L. 5669.
 Phillips, S. 744, 6090, 6212.
 Phillips, S.L. 5973.
 Piantadosi, C. 19.
 Piaskowski, J. 5128.
 Piatak, M. 4779.
 Piatigorsky, J. 7281.
 Picard, B. 3942.
 Picard, F. 3285.
 Pichon, J. 5885, 5886.
 Pickart, L. 1678.
 Pickering, M.V. 1353.
 Pietet, R.L. 903, 4220.
 Piekawicz, A. 5137.
 Pieniazek, N.J. 5109.
 Pienkowski, M.M. 1093.
 Piepersberg, W. 2425, 4121.
 Pierce, J.E. 916.
 Pierce, L.R. 2408.
 Pierre, A. 5283.
 Pierson, M.D. 5256.
 Pietrzak, M. 780, 781.
 Pietrzykowska, I. 5029.
 Piette, J. 2047, 2700, 3062, 6112.
 Pietu, G. 7362.
 Piffaretti, J. C. 2958.
 Pignatti, P.F. 4880.
 Pihl, A. 5431.
 Pihl, N.J. 5277.
 Pike, D. 3454.
 Pilch, Y.H. 3283.
 Pilet, P.-E. 6625.
 Pillai, M.K.K. 1990, 6019, 6291.
 Pimenov, M.G. 5535.
 Pimentel, E. 11.
 Pimmer, J. 6692.
 Pinfield, N.J. 6891.
 Pingoud, A. 4126.
 Pingoud, A.M. 2943.
 Pinnavaia, T.J. 2347.
 Pinney, R.J. 2336, 2916.
 Pino, A. 3674.
 Pinto, D. 3418.
 Pintor-Toro, J.A. 6715.
 Piot, E. 6914.
 Piovant, M. 787, 2959.
 Piper, P.W. 176, 2378.
 Piperno, J.R. 532, 554.
 Pirrotta, V. 1625, 4310, 4482, 4989.
 Pirscl, M. 3149.
 Pirtle, R.M. 4965, 7061, 7066.
 Piruzian, E.S. 2893.
 Pisarev, M.A. 1850, 6014.
 Piskala, A. 76.
 Pistoia, M.A. 4623.
 Piszkiwicz, D. 5849, 5850.
 Pitel, J.A. 3297.
 Pitha, J. 5577, 6654.
 Pitha, P.M. 2294.
 Pitot, H.C. 2832, 3521, 5842.
 Pittenger, T.H. 5604.
 Pivec, L. 3781.
 Piven, N.M. 2123.
 Pivko, J. 307.
 Plagemann, P.G.W. 4622, 6606.
 Plagens, U. 1788.
 Plambeck, J.A. 6119.
 Planta, R.J. 811, 816, 1042, 4180.
 Plante, L.T. 2820.
 Planterose, D.N. 2295.
 Plasek, J. 4611.
 Platt, T. 1485, 2488, 3715.
 Platts-Mills, T.A.E. 5164.
 Plawecki, M. 7403.
 Pleij, C.W.A. 6913.
 Pless, R. 4652.
 Pletnyov, A.G. 381.
 Ploegaert, F.H. 3118.
 Ploegh, H.L. 5437.
 Plotch, S.J. 894, 1963, 4778.
 Plucienniczak, A. 1626, 4539.
 Plumbridge, T.W. 7013.
 Pluskal, M.G. 6471.
 Plyusnin, A.Z. 3002.
 Pneumatikakis, G. 6582.
 Poccia, D.L. 1293.
 Pocock, D.H. 2637.
 Poddar, M.K. 4124.
 Podder, S.K. 2915.
 Podgornaya, N.M. 3442.
 Podgorni, V.F. 1207, 3442.
 Podgorodnichenko, V.K. 7480, 7406, 2827, 2592, 4531, 5188, 6456.
 Podjarny, A.D. 4079.
 Podobed, O.V. 5045.
 Podszun, W. 678.
 Poe, W.J. 2735.
 Pogo, B.G.T. 5023.
 Pogodina, O.N. 6899.
 Pohl, F.M. 5812.
 Pohl, W.F. 4293.
 Pohlreich, P. 4128.
 Poindexter, J. 2076.
 Poirier, M.C. 6105.
 Poitevin, E. 6465.
 Poklis, A. 4656.
 Polak, A. 5736.
 Poland, R.E. 5545.
 Poletaev, A.I. 3668, 5951.
 Polevoy, V.V. 2509.
 Polimeno, L. 6281.
 Polisky, B. 2149.
 Politis, M.J. 5772.
 Polito, L.C. 2028, 7377.
 Pollet, D. 6914.
 Polli, E. 2436.
 Pollock, J.M., Jr. 7426, 3123.
 Pollock, T.J. 991, 2153.
 Polokajnen, A.P. 6472, 7410.
 Poltev, V.I. 1583, 7128, 7186.
 Polyzonis, M.B. 610.
 Polzonetti, A. 6095.
 Pomponi, M. 1257.
 Pon, C.L. 3506, 5912, 6742.
 Pongs, O. 4108.
 Ponnuswamy, P.K. 851, 852, 5806.
 Ponomareva, T.I. 6337.
 Pons, M.W. 6835.
 Ponta, H. 2483.
 Pont, R. 1054, 2476.
 Popa, L.M. 1465, 4732, 5350.
 Pope, D.H. 788.
 Pope, W.T. 2385.
 Popenko, V. 981.
 Popic, S. 6414.
 Popov, L.S. 3558.
 Popovic, D.A. 3530.
 Popovkina, S.V. 4032.
 Popowski, J. 2762.
 Por, S. 765.
 Porath, J. 2927.
 Porollo, V.I. 5426.
 Porschke, D. 3433.
 Portelli, C. 5263.
 Porter, D. 5972.
 Porter, L.M. 7340.
 Porter, R.A. 5800.
 Porter, R.D. 3860.
 Portmann, R. 6232, 6475.
 Portner, A. 6466.
 Portoghesi, P.S. 1354.
 Porumb, H. 4594.
 Porzak, K.J. 6180.
 Posakony, J. 3788.
 Posorske, L.H. 4086.
 Pospelov, V.A. 2183, 3968, 5668.
 Post, C.B. 6135.
 Post, L.E. 2078, 2079, 4973.
 Post, M.L. 5788.
 Postle, K. 3111.
 Postlethwait, J.H. 4095.
 Potapov, V.K. 731, 3422, 4662.
 Poteete, A.R. 6531.
 Pote, S. 4084.
 Potten, C.S. 1676.
 Potter, H. 481, 4439.
 Pottier, A. 3839.
 Potts, J.T., Jr. 6923.
 Poulis, M.I. 5101.
 Poulsen, J.H. 6608.
 Poulsen, K. 6070.
 Pourcel, C. 3862, 4448, 5498, 6173.
 Pouyet, J. 4699, 7430.
 Poverenny, A.M. 6456, 1578, 2592, 2827, 4531, 5188, 7406, 7480.
 Povirk, L.F. 2569, 2579.
 Powell, A.T. 2275.
 Power, M.J. 5750.
 Powers, D.M. 4083.
 Pozdnjakov, V.A. 5883.
 Pozharisski, K.M. 4900.
 Pozmogova, I.N. 3619.
 Pozzan, M.R. 6136.
 Pozzoli, M. 5929.
 Prabhavathi, P. 1156.
 Pradhan, D.S. 1516, 1656, 3163, 5006, 6504, 6831, 6840.
 Prado, F.R. 1859.
 Prager, A. 6289.
 Pragnell, I.B. 6181.

- Prakash,L. 7150.
Prakash,S. 7150.
Pramanik,H. 5041.
Prasher,D.C. 5646.
Pratt,J. 322.
Pratt,J. 5555.
Pravdic, N. 58.
Pravdina,N.F. 6416, 7345.
Preer,J.R., Jr. 4976.
Preer,L.B. 4976.
Prefontaine,G.J. 3679.
Presant,G. 298, 4724.
Prenna, G. 4273.
Prensky, W. 3978.
Preobrazhenskaya,E.S. 6111.
Preobrazhenskaya,M.N. 2328, 2330, 5773.
Preobrazhenskaya,O. 2088.
Preobrazhenskaya,A.A. 2894.
Present,C.A. 4429, 5269.
Prescott,B. 582.
Presser,M.E. 4995.
Pressman,E.K. 926, 2000.
Prestayko,A.W. 6102.
Prestidge,L. 400.
Preston,C.M. 2495, 5950.
Preston,R.A. 2404.
Preston,V.G. 1007, 1018.
Prezyna,C. 2794.
Price,A.R. 2370, 2795, 3264, 4501.
Price,C.A. 6049.
Pridgen, C. 836.
Prieto,M.-J. 7223.
Primakoff,P. 4655.
Primke,M. 1529.
Primrose,S.B. 4150, 6091.
Prince,J.B. 6752.
Pring,D.R. 7236.
Pringle,C.R. 2104, 5630, 6433, 7050.
Printz-Ane,C. 7328, 2500.
Printz,P. 2500.
Prinzo,N. 5425.
Pritchard,A.E. 1144, 2778, 7299.
Pritchard,C. 2202.
Pritchard,R.H. 3875.
Privalov,P.L. 2379.
Prives,C.L. 4094.
Privitera, G. 6348.
Probst,H. 4366, 4883.
Prochownik,E.V. 2919.
Procunier,J.D. 1619.
Prokof'ev,M.A. 731.
Promel,R. 6570.
Proshina,R.A. 2509.
Proskuryakov,S.Ya. 3819.
Prosser,J. 1790.
Prosvirnin,V.V. 3531, 3939.
Protzenko,D.F. 469.
Proudfoot,N.J. 1323.
Prtnov,Yu.N. 675.
Prudova,L.A. 6120.
Prudowski,I.A. 2251.
Prunell,A. 7323.
Prus,E. 3273.
Prusik,T. 4896, 6971.
Prusiner,P. 721.
Prusoff,W.H. 79, 704, 4039, 6451, 6561.
Prvanova,L.G. 4900.
Prydz,H. 5049.
Pryke,J.A. 922.
Przybyla,A.E. 903, 4220.
Ptashne,M. 668, 3872, 5677.
Ptitsyn,L.A. 583.
Ptitsyn,L.R. 7410.
Puchel,M. 6894.
Puga,A. 1061.
Pugh,C.S.G. 2218.
Pugliese,A. 5314.
Puhler,A. 4931, 7254.
Pujda,N.H. 1766.
Pukhnova,G.G. 3890.
Pullman,A. 367, 372, 3368, 4289, 4290, 5724, 7006.
Pullman,B. 680, 1859, 3368, 4019, 6644, 7006.
Pumpen,P. 1506, 1507.
Pumpen,P.P. 4188.
Purchio,A.F. 2156, 3866.
Purdum,J.F. 3976.
Purifoy,D.J.M. 1687, 4330.
Purzycka-Preis,J. 3273.
Pushkarskaya,N.L. 3260.
Pustoshilova,N.M. 6847.
Pustowoit,B. 3625.
Pustowoit,W. 3625.
Pusyriov,A.T. 2381.
Putt,S.R. 3380.
Puvion-Dutilleul,F. 3944, 4383, 5193.
Puvion,E. 1244.
Pyne,C.K. 2258.
Pyne,J.W. 5429.
Qasba,P.K. 938, 6012.
Quackenbush,R.L. 2639.
Quagliarello,G. 1388, 4495.
Quash,G.A. 5865.
Quattrin,N. 1896, 4795.
Quave,S.A. 7004.
Que,B.G. 5635.
Quesada-Pascual,F. 4524.
Quetier,F. 4313.
Quigley,G.J. 6640.
Quilliam,M. 4020.
Quincey,R.V. 3571, 7347.
Quinlan,T.J. 4759.
Quinn,L.Y. 1468.
Quint,W. 379.
Quintard,B. 5332.
Quintner,J. 1754.
Quinto,C. 3047.
Quintrell,N. 2623, 7057.
Quo Fu, W.T.H.C. 2105.
Quoc Khanh,N. 3496, 5888.
Quon,D. 2562.
Rae,A.J. 1749.
Raafat,A. 297.
Raba,M. 7574.
Rabbits,T.H. 1323, 1960.
Rabe,J. 5329.
Robert,D.K. 4650.
Rabin,B.R. 1908.
Rabinkova,E.V. 3177.
Rabinovich,N.M. 2159.
Rabinovich,P.M. 3213, 6346.
Rabinowitz,M. 2080, 2081, 4353, 4354, 4355, 4589, 5605, 6221, 6815.
Rabkin, S. 384, 1595.
Rabson, A.B. 490.
Rabussay,D. 3568.
Racaniello,V.R. 2455.
Racine,F.M. 524, 540.
Racz,I. 1497, 6673.
Racz,W.J. 6579.
Radchenko,A.I. 6937.
Radding,C.M. 6550, 4885.
Radik,J.L. 1141.
Radjabar,Kh.M. 3338.
Radke,J. 7057.
Radman, M. 3323, 5719.
Radojevic,L. 1111.
Radonovich,M.F. 897, 3583, 6790.
Radsak,K. 1200, 1645.
Radzhabov,H.M. 3985, 3986.
Radzhabov,Kh.M. 6530.
Rae,P.M.M. 1036, 1611, 4990, 6229.
Raettig,R. 783.
Rafalska,M. 2936.
Rafalski,A. 5828, 5831.
Raff,R.A. 3640, 4704.
Raffin,J.-P. 774.
Ragavichus,A.B. 3884.
Raghavan,V. 1067.
Raghow,R. 6466.
Ragnotti,G. 2399.
Rahmsdorf,H.-J. 2483.
Rahn,G.M. 854.
Rahn,R.O. 7189.
Raia,C.A. 1222.
Raikova,E.V. 5445.
Raina,J.L. 5106.
Rainen,L. 4526.
Raisonnier,A. 2518.
Rajalakshmi,S. 972, 4551.
RajBhandary,U.L. 2937, 251, 3449, 3535, 4784.
Rajewsky,M.F. 3676, 4035.
Rak,K.-H. 2826.
Raker,M.A. 5482.
Rakovan,J.N. 3492.
Rakowicz-Szulczynska,E.M. 3954.
Raksanyi,K. 3371.
Rakusanova,T. 7120.
Rakvin,B. 1858, 6562.
Raleigh,J.A. 1216.
Ralston,R. 1923.
Ramabhadran,R. 2756.
Ramagopal,S. 4842.
Ramakrishnan,N. 5006.
Ramakrishnan,T. 5640.
Ramamurty,P.S. 6816.
Ramanujam,S. 5687.
Rambach,A. 2187, 3343.
Ramberg,E.S. 762.
Rambour,S. 3624.
Ramig,R.F. 1531.
Ramirez,F. 930, 1627, 4795.
Ramirez,J.L. 401.
Ramirez,M.L. 618, 7047.
Ramm,K. 5382.
Rampe,G. 3860.
Ramsey,C.A. 438.
Ramsey,J.C. 4722.
Ramsey,L.R. 7364.
Randall,C.C. 1016, 1742, 3923, 5583.
Randerath,E. 4682.
Randerath,K. 3456, 4682, 5292, 5768, 6771.
Randles,J.W. 6195, 6777.
Ranganathan,B. 4228.
Ranganathan,R. 6580.
Ranjekar,P.K. 416, 3137, 5008.
Rankin,J.C. 3249.
Rannels,D.E. 791, 828, 2401, 2431.
Rannels,S.R. 791, 828, 2401, 2431.
Ranu,R.S. 4139.
Rao,D.D. 6792, 6828.
Rao,P.M. 972, 4551.
Rao,P.N. 422, 5048.
Rao,R.N. 1117.
Rao,S.T. 173.
Rapaport,E. 5070.
Rapoport,G. 1502.
Raposa,T. 3324.
Rapp,B.J. 4933.
Rapp,F. 4386, 7133.
Rappaport,L. 5866.
Raptis,L. 5540.
Rary,J.M. 1781.
Rascati,R. 5046.
Rascati,R.J. 2525.
Rasheed,S. 6359.
Rashid,A. 6097, 6976.
Raska,K., Jr. 5944.
Raskas,H.J. 3526, 893, 3019, 3578, 3988, 4321, 5372.
Rasmussen,K.M. 2967.
Rassam,S. 2829.
Rassart,E. 380, 2614.
Rasskazov,V.A. 6399.
Rasson,I. 6042.
Rastl,E. 1750.
Ratcliff,S.W. 4945, 4957.
Ratcliffe, G. 110.
Ratkin,G.A. 5269.
Ratloff,R.L. 153, 1201.
Ratmanova,K.I. 4070.
Ratner,L. 577, 2520, 2541.
Ratovitsky,E.A. 862, 4840, 6257.
Rattanapanone,N. 1538.
Ratti,G. 269, 2485.
Rattner,J.B. 6479.
Ratzkin,B. 3217.
Rau,D.C. 1606.
Rauber,N.R.K. 3225.
Raue,H.A. 1042.
Rauth,A.M. 4691, 4693.
Rave,N. 6803.
Ravel,J.M. 4141, 6729.
Ravetch,J.V. 4314, 5493.
Ravin,A.W. 4975, 5106, 7226.
Rawls,W.E. 4493.
Rawn,C.D. 4847.
Rawson,J.R.Y. 5534, 7080.
Ray,A. 6816.
Ray,B. 6838.
Ray,B.K. 6797.
Ray,D.B. 6863, 6864.
Ray,D.S. 1587, 2752, 3142.
Ray,M. 2690.
Ray,S.B. 4248.
Raygorodskaya,T.G. 1253.

1458.
 Razin, A. 1113, 4924.
 Razin, S.V. 2870.
 Razjivin, A.P. 5814, 1377, 5309, 5310.
 Razman, B. 385.
 Razzaque, A. 1208.
 Reaach, R.S. 5805.
 Rebenish, A.A. 7396.
 Rebenish, B.A. 1121, 5108.
 Reboud, A.-M. 1437.
 Reboud, J.-P. 1437, 4013, 4110, 4721.
 Rech, J. 7318, 7416.
 Recher, M. 1561, 4892.
 Rechsteiner, M. 177.
 Record, M.T., Jr. 12, 3340.
 Reda, L. 4495.
 Reddi, K.K. 2173.
 Reddington, M.A. 4703.
 Reddy, A.L. 1789.
 Reddy, G.P.V. 127.
 Reddy, V.B. 248, 1156, 1942, 3546, 4779.
 Redfield, A.G. 1877, 6667.
 Redfield, B. 1921, 6674.
 Redmann, S.M., Jr. 4065.
 Reeck, G.R. 6478, 7423.
 Reed, J. 2565.
 Reed, S.E. 222.
 Reeder, R.H. 3556.
 Reef, F. 526.
 Reeh, S. 2534, 6714.
 Rees, H. 2557.
 Reese, C.B. 62, 98, 2895, 3420, 3421.
 Reeve, A.E. 2352, 3005.
 Reeve, J.N. 426, 3871, 4115.
 Reeves, J.P. 2223.
 Reeves, R. 1762, 2263, 5418.
 Reeves, R.H. 2385.
 Refetoff, S. 2507, 3592, 6009, 7203.
 Reff, M.E. 3036, 7095.
 Regan, J.D. 1090, 2022, 2925, 6605, 7171, 7181.
 Regan, P. 5057.
 Reger, B.J. 3472.
 Regnault, M. 2556.
 Reha-Krantz, L.J. 1744, 1800.
 Reibel, D.K. 6617.
 Reich, E. 4817.
 Reichard, P. 895, 1226, 1235, 5764, 6024.
 Reichelderfer, C.F. 3840.
 Reichenbach, H. 2786.
 Reichenbecher, V.E., Jr. 5901.
 Reichlin, M. 7407.
 Reichman, U. 702, 4635.
 Reid, B.R. 1391.
 Reid, D.G. 5301.
 Reid, P. 1676.
 Reid, T.W. 4514, 6434.
 Reider, C.L. 5194.
 Reilly, E.B. 3933, 4580.
 Reimer, G. 1294, 3336, 5238.
 Rein, R. 373, 6126.
 Reinbolt, J. 800.
 Reiner, B. 6431.
 Reinert, K.-E. 3089, 4946.
 Reinhardt, C.G. 2058.
 Reinhold, V.N. 3680.
 Reiser, J. 530, 4482, 5439.
 Reitz, M. 5238.
 Reitz, M.S., Jr. 3549, 4868, 7264.
 Rejowski, A. 1998.
 Rekosh, D.M.K. 4562.
 Remer, S. 5789.
 Remin, M. 5758.
 Remington, J.A. 5400.
 Remmie, J.L. 3533.
 Remsen, J.F. 5052.
 Remy, P. 774.
 Renart, J. 5439.
 Renaud, J.-F. 301.
 Renaudin, H. 3639, 4241.
 Renis, M. 6327.
 Renkawitz-Pohl, R. 4872.
 Renkawitz, R. 6231.
 Rennie, P.S. 6491.
 Rensing, U. 6463.
 Renton, K.W. 743, 6651.
 Renz, M. 6481.
 Repanovici, R. 1465, 4732, 5350.
 Repik, P.M. 6823.
 Reshetnik, O.A. 5134, 5616.
 Reshetnikova, L.S. 3509.
 Resnick, J. 2267.
 Resnick, M.A. 6299.
 Retel, J. 1042.
 Rether, B. 2544.
 Rettenmier, C.W. 3867.
 Reuben, J. 1855.
 Reusser, F. 2078.
 Reuter, W.-O. 6859.
 Reuveni, Y. 3401, 5293.
 Revankar, G.R. 2306.
 Revel, M. 2217, 2296, 3228, 5421, 5710, 5917, 6900.
 Revet, B.M.J. 7044.
 Revie, D. 5629.
 Revoltella, R. 4452.
 Revzin, A. 3663.
 Reyes, A.A. 6243.
 Reyes, P. 5192.
 Reyes, R. 3484.
 Raymond, C. 5396.
 Reynaud, J.A. 1574.
 Reynolds, E.C. 3407, 4434.
 Reynolds, F. 490.
 Reynolds, R.K. 2003.
 Rezelman, G. 3595.
 Reznikoff, W.S. 4000, 3095, 3111, 3345, 3755, 6364.
 Reznikova, S. 604.
 Rezvaya, S.P. 439.
 Rezvukhin, A.I. 137.
 Rhase, H.J. 724, 1369.
 Rhim, J.S. 6359.
 Rho, M.H. 2985.
 Rhoades, M. 3720, 6151, 6152.
 Rhoads, R.E. 251.
 Rhodes, D. 5213.
 Rhodes, G. 7371.
 Rhodes, W. 4065.
 Rholam, M. 5724.
 Riaz, J. 3176.
 Ribbeck, R. 4641.
 Ricard, B. 3639, 4241, 4854.
 Rice, G.H. 4036.
 Rice, M. 178, 3455.
 Rice, N.R. 4388.
 Rice, P.W. 4980.
 Rich, A. 417, 1326, 2363, 2941, 3140, 3965, 4297, 4706, 4923, 6640, 6663, 6923.
 Rich, K.E. 2317.
 Richard, J.P. 5646.
 Richards, H. 1060.
 Richards, J. 2140.
 Richards, J.C. 7471.
 Richards, J.M. 2205.
 Richards, K.E. 1480, 4177.
 Richards, O.C. 4152.
 Richards, R.G. 4455.
 Richards, R.J. 5063.
 Richardson, A. 231, 839, 3035, 4711, 6886.
 Richelle, C. 6.
 Richmond, M.H. 3857.
 Richter, A. 647, 6331.
 Richter, D. 725, 1229, 2424, 5893.
 Richter, G. 4490, 4807, 4841.
 Richter, P.H. 2566.
 Richter, R. 708.
 Rickart, R. 6970.
 Rickwood, D. 1258, 3994.
 Ridge, D. 3307.
 Riebel, S.H. 2735.
 Riedel, F. 5214.
 Riedel, G. 4576, 5211.
 Riedel, G.E. 6210, 7068.
 Riedel, H. 7380.
 Rieder, C.L. 3941.
 Riera, C.M. 1240.
 Riesner, D. 5382, 5965, 6662.
 Riess, W. 63, 64.
 Riesz, P. 31.
 Riewe, M. 3334.
 Rife, S.U. 4734.
 Rifkind, R.A. 889.
 Rifitina, F. 5801.
 Rigby, P.W.J. 1689.
 Rigby, R.J. 1754.
 Rigden, P. 3725, 4322, 5005.
 Riggan, C. 546.
 Riggs, A.D. 1113, 5729.
 Riggs, H.G., Jr. 2502.
 Riggs, J.L. 345.
 Rijke, E.O. 5067.
 Rijsheuevls, F. 6467.
 Rijken, A.H.G.C. 493.
 Riklis, E. 6289.
 Riley, D. 3952.
 Riley, F.L. 2297.
 Riley, M. 4595.
 Riley, R.L. 6457.
 Rill, R.L. 7426.
 Rillema, J.A. 6875.
 Rimon, A. 891, 907.
 Rimpau, J. 1059.
 Rinaldi, A.M. 5059.
 Rinderer, T.E. 3220.
 Rinehart, F.P. 331.
 Ring, B. 1161.
 Ring, J. 3864.
 Ringborg, U. 7177.
 Ringden, O. 2137.
 Ringer, D.P. 847.
 Ringold, G.M. 3864.
 Rinke, J. 801, 6713.
 Riou, G. 4978.
 Riou, G.F. 1038.
 Rippka, R. 6199, 6200.
 Risemberg, A. 1240.
 Riska, H. 5186.
 Rispler, J. 461, 462.
 Ristow, H. 1560, 3082.
 Risueno, M.C. 109, 1285.
 Risuleo, G. 3506.
 Rita, G. 6895.
 Ritchie, D.A. 1591.
 Rits, S. 4519, 4827.
 Ritter, P.O. 3459, 5845.
 Riva, S. 2694, 3609.
 Rixon, F.J. 4335, 6193, 7056.
 Rizi, H.L. 3454.
 Rizzo, P.J. 7337.
 Rizzo, R. 4538.
 Robb, J.A. 5955.
 Robbersen, D.L. 6964.
 Robbi, M. 6920.
 Robbiano, L. 3674.
 Robbins, J. 7287.
 Robboy, S.J. 322.
 Robert-Gero, M. 1848, 2376, 5283.
 Robert-Gurof, M. 5654.
 Robert, J. 6821.
 Robert, K.-H. 3192.
 Roberts, A.V.S. 1896.
 Roberts, B.E. 3646.
 Roberts, G.W. 4293.
 Roberts, J.J. 2714, 2715, 4407, 4409, 4596, 6093, 6956, 7155.
 Roberts, J.L. 1753, 5523.
 Roberts, L. 1125.
 Roberts, M. 2868.
 Roberts, R.J. 1716, 1717, 1718, 4776, 5257, 6147, 6170, 7242.
 Roberts, T.M. 3872.
 Roberts, W.G. 1553.
 Roberts, W.K. 5920.
 Robertson, D. 1262.
 Robertson, D.L. 5378.
 Robertson, H.D. 2984.
 Robertson, J.S. 1639, 6780.
 Robertson, M.A. 3774, 4363.
 Robertson, W. 5569.
 Robertson, W.R. 5013.
 Robey, G. 1930, 2038.
 Robins, D.M. 1890, 2503.
 Robins, M.J. 89, 2322, 5744.
 Robins, P.E. 2703.
 Robins, R.K. 1353, 1371, 2306, 3365, 4034.
 Robins, T. 4142.
 Robinson, A.J. 6533.
 Robinson, C.C. 1104, 2673.
 Robinson, C.R. 645.
 Robinson, J. 4453.
 Robinson, W.A. 159.
 Robinson, W.S. 6182.
 Robison, W. 6754.
 Rocha, E. 7443.
 Rochaix, J.-D. 2647, 3766, 2648, 4985.
 Rochon, F.D. 2331, 5725.
 Rochovansky, O.M. 6835.
 Roder, J.C. 2224, 2226.
 Rodger, S.M. 5958.

- Rodi.C. 4686.
Rodighiero.G. 340, 4272, 4890, 4891, 4892.
Rodighiero.P. 4272.
Rodionova.N.P. 6932.
Rodrigues Molto.M.P. 4291.
Rodrigues-Pousada.C. 1905.
Rodrigues.M.A.L.R. 6908.
Rodriguez.R.L. 3850, 5482, 7027.
Roe.B.A. 693, 751, 3454.
Roeder.R.G. 3901, 7358.
Roehrig.J.T. 2502.
Roel.L.E. 189.
Roels.H. 2023.
Roesler.G. 559.
Rogan.E. 3065.
Rogan.E.G. 6973.
Roger.B. 5838.
Rogers.J. 7090.
Rogers.J.H. 4997.
Rogers.K.J. 3675.
Rogers.M.E. 2760.
Rogers.S.G. 509, 1117, 3720.
Rogerson.D.L. 1715.
Rohde.W. 2988.
Rohlr.R. 4119.
Rohr.G. 1165, 5644.
Rohrer.D. 709.
Rohrer.D.C. 96.
Rohrer.H. 4219.
Rohrmann.G. 6189.
Roisin.M.P. 2209.
Roizman.B. 1596, 3608, 3734, 3735, 3738, 4597, 6819.
Rojas.M. 5838.
Rokhlin.O.V. 2394.
Roman.A. 7117.
Romanenko.E.B. 3144.
Romanuk.P.J. 6773, 1383, 2447.
Romanos.M. 2050.
Romanov.G.A. 3995, 5246.
Romanova.L.I. 4951, 6778.
Romanova.N.A. 3995, 5246.
Romaschenko.A.G. 1207, 3439, 4516, 5819.
Rombauts.W. 4098, 5436.
Romero.R. 2212, 2323.
Romers.C. 97, 101, 2345.
Rommelaere.J. 2990.
Ron.D. 5954.
Ron.E.Z. 3613, 4695.
Ronald.A.R. 4866.
Ronald.R. 113.
Ronen.A. 3909, 4450.
Ronge.K. 7113.
Ronichevskaya.G.M. 5312.
Roninson.I.B. 4598, 4944.
Ronne.M. 4555.
Ronto.Gy. 1298.
Roobol.K. 3507, 4135.
Roop.D.R. 2490, 3519.
Roots.R. 7164.
Roques.B.P. 1573, 6082, 6117.
Rosa.J.J. 3461.
Rosa.M.D. 3461, 4947.
Rosadini.G. 6051.
Rosado.A. 3787.
Rosamond.J. 6395.
Rosbash.M. 5368.
Rosenthaller.R. 1887, 2393.
Rose.J.A. 6271.
Rose.K.M. 7455.
Rose.R.J. 6944.
Rose.S.D. 135, 1366, 2362.
Rosen.F. 7425.
Rosen.H. 5919.
Rosen.J. 5489.
Rosen.J.A. 4658.
Rosen.J.M. 2435, 2755, 4237.
Rosen.L. 5956.
Rosenberg.B. 5711.
Rosenberg.J.M. 1170.
Rosenberg.M. 4960, 4961, 6057, 6058.
Rosenberg.R.N. 6809.
Rosenblatt.D.E. 1101.
Rosenblatt.D.S. 3839.
Rosenbloom.J. 4247.
Rosenbusch.J.P. 827.
Rosenfeld.M.G. 1924, 4248, 6925.
Rosenkranz.H.S. 351, 5459.
Rosenthal.A.L. 3299.
Rosenthal.E. 761.
Rosenthal.G. 4844.
Rosenthal.J.D. 1061.
Rosenthal.L.J. 1169, 3401, 4599, 4646, 5293, 7047.
Rosenfeld.E.C. 2787.
Rosinova.M. 1745, 1746.
Roskam.W. 1046, 5114.
Rosner.A. 5449.
Rosoff.B. 6954.
Rosok.M.J. 7364.
Ross.A. 801.
Ross.D.G. 4935.
Ross.G.L. 4528.
Ross.J. 881.
Ross.W. 4968.
Ross.W.E. 1571, 6251.
Rosset.R. 6726.
Rossi.C.A. 1227.
Rossi.G.B. 3037, 3563.
Rossi.J.J. 4342, 4968.
Rossi.M. 36, 671, 1222.
Rossi.R. 410.
Rostapshov.V.M. 326.
Rostek.P.Jr. 245, 7287.
Roth.H.E. 4103, 6717.
Roth.R. 3065.
Roth.R.W. 6973.
Rothberg.P.G. 1797.
Rothblum.L.I. 5532.
Rothenberg.B.E. 4248.
Rothenberg.E. 857.
Rothenberg.R.J. 5018.
Rothenhuhler.W.C. 3220.
Rothfield.L.I. 3852, 3853.
Rothfield.N. 5440.
Rothman Scott.J. 4449.
Rothman-Denes.L.B. 6412, 6413.
Rothman.R.H. 2110, 3165.
Rothschild.M.A. 526.
Rothstein.H. 451.
Rothstein.R. 5511.
Roti Roti.J.L. 6999.
Rott.R. 2988, 5377, 5684.
Rottier.P. 3342.
Rottier.P.J.M. 3595.
Rottman.F. 3524.
Rottman.F.M. 834, 3529, 6911.
Roufa.D.J. 3236, 3488, 3505.
Rounds.T.C. 7477.
Roush.T.W. 4894.
Roussel.A. 2068, 5105.
Roussel.M. 7087.
Rouviere-Yaniv.J. 7444.
Roux.B. 1773.
Rovera.G. 2542.
Rovetto.M.J. 6617.
Rovis.L. 235.
Rowbury.R.J. 2298.
Rowe.D.W. 4856.
Rowe.L.B. 2912, 3028.
Rowe.M. 5164.
Rowe.W.P. 3845, 5093, 5094, 7294.
Rowen.L. 1226.
Rowinski.J. 3056.
Rowlands.D.J. 1474, 2457.
Rowlands.D.L. 5375.
Rowley.J.D. 3562.
Rownd.R.H. 2026, 3808, 4307, 4413, 6849.
Roy-Burman.P. 1941, 6359.
Roy.A.B. 2482.
Roy.A.K. 4209.
Roy.P. 4461, 5963.
Roy.R. 1923.
Roy.R.K. 4536.
Roy.S. 6230.
Royal.A. 3215, 3773, 4939, 5114, 6233.
Roychoudhury.R. 1717, 4511.
Royer.H.-D. 2025, 4988, 7075.
Roze.K.R. 4515.
Rozek.C. 3552.
Rozek.C.E. 3029.
Rozen.V.B. 3995, 5246.
Rozenfurt.E. 5295, 2141, 7126, 7127.
Rozier.C. 2094.
Rozinov.M.N. 1121, 7396.
Rozovskaya.T.A. 6407.
Ruben-Barretto.M. 7224.
Ruben.L. 2681.
Rubenstein.I. 5669.
Rubin.A.H. 465, 7208.
Rubin.A.L. 1107.
Rubin.B.Y. 2723, 4419.
Rubin.D. 189.
Rubin.J. 173.
Rubin.R.A. 1171.
Rubin.R.L. 3936, 5653.
Rubin.Yu.V. 2312.
Rubinstein.R. 3551.
Rubtsov.P.M. 2654.
Rucheton.M. 7319.
Rudd.F.J. 5304.
Ruddle.F. 4258.
Ruddle.F.H. 6515, 7290.
Rudduck.C. 4278.
Rudensy.L.M. 6915.
Rudiger.H.W. 5463.
Rudland.P.S. 6282.
Rudner.R. 1134, 3610, 3611, 3682, 4964.
Rudnik.M. 2195.
Rueckert.R. 2005.
Rueckert.R.R. 5342.
Ruet.A. 2194, 7351.
Ruger.W. 1499, 6167.
Ruh.T.S. 39.
Ruis.H. 5433.
Ruiz-Carrillo.A. 3949, 7433.
Ruiz.J.P.G. 7283.
Rulfs.S. 762.
Rumpf.G. 724, 1369.
Rundell.K. 5055.
Rungger.D. 3211, 4044, 6279, 6872.
Runnels.J. 1219.
Runswick.M.J. 2779.
Rupert.C.S. 3827, 5600.
Rupp.W.D. 7062.
Rupprecht.A. 4909, 4918.
Rush.M.G. 412, 2664.
Rushizky.G.W. 1715.
Rusinova.G.G. 3331.
Russell.A.S. 4296.
Russell.D.W. 1911, 5904.
Russell.P. 6434.
Russell.T.R. 2342.
Russell.W.C. 4562.
Russev.G. 4545.
Russo.G. 6444.
Rustad.R.C. 6837.
Rustgi.S. 31.
Rustum.Y.M. 1819, 2892.
Ruterjans.H. 719, 3224, 4567.
Ruth.J.L. 1833.
Rutigliano.B. 3179.
Rutter.M.R. 1067.
Rutter.W.J. 172, 903, 1396, 3255, 4184, 4220.
Ruyechan.W.T. 385, 3734, 3735.
Ruzicka.F. 1782.
Ruzicska.P. 298, 4724.
Ryabchenko.N.I. 3819.
Ryan.F.J. 4769.
Ryan.G.P. 430, 5025.
Ryan.M.J. 5816, 5817, 5990.
Ryan.R. 1615, 6011.
Ryang.H.-S. 1812.
Ryazonova.E.M. 1121.
Rychlik.I. 1933, 3499, 4040, 5371, 5910.
Rychlik.W. 796.
Ryder.O.A. 5529.
Ryffel.G.U. 3587, 4361, 5113.
Rykova.V.I. 5312.
Ryley.J.F. 1342.
Rymd.L. 6179.
Rynd.L. 4843.
Ryndich.A.V. 3648.
Rynditch.A.V. 3777.
Rynell.B. 3847.
Ryo.Y. 3889, 4389.
Ryskov.A.P. 3559, 5978, 5979.
Ryte.A.S. 5643.
Ryte.V.C. 5643.
Ryter.A. 1965.
Ryu.E.K. 4030.
Ryu.J.-I. 6319.
Rzeszowska-Wolny.J. 3957.
Saarma.M. 3486.
Saabakh.A.A. 2509.
Sabeur.G. 6500.
Sablina.O.V. 2147, 2181.

- Sabo, W. 6706.
 Saborio, J.L. 2009.
 Sabour, M. 2686.
 Sabran, J.K. 2629.
 Sabran, J.L. 2759.
 Sacchetti, G. 4623.
 Sacchi, C.A. 4273.
 Saccone, C. 1388, 5528, 6327.
 Sacher, J.A. 4477, 4825.
 Sack, G.H., Jr. 1827.
 Saclarides, T. 1420.
 Sadana, K.L. 2361, 6612.
 Saddi, R. 3469.
 Sadeghi, M. 7422.
 Sadler, J.R. 1118.
 Sadowski, R. 912.
 Sadnik, I. 5340, 6706.
 Sadoff, H.L. 7060.
 Sadowski, P.D. 1125.
 Sadykhova, S.K. 4921.
 Saedler, H. 1136, 2077, 3703, 5592.
 Saelid, G. 319.
 Saenger, W. 1811.
 Saenko, A.S. 7480.
 Safer, B. 221, 4138, 4747, 6760, 6765.
 Saffer, E.A. 5574.
 Saffhill, R. 5815.
 Saffitz, J.E. 629, 630, 2249.
 Safonova, T.S. 29.
 Sagata, N. 1504.
 Sage, E. 4532, 580.
 Sager, R. 4437.
 Sagher, D. 4235, 5464.
 Saghi, M. 6423.
 Sagi, J. 42, 746, 5811.
 Sagitullin, R.S. 6571.
 Sagrebely, S.N. 6847.
 Sagstuen, E. 1343.
 Saha, B.K. 45, 492, 7315.
 Sahasrabudde, C.G. 3972, 626.
 Sahu, C. 4758.
 Saiga, H. 4815.
 Saigo, K. 4877.
 Saikovich, E.G. 4061.
 Sain, B. 2607, 3870.
 Saint-Ruf, G. 4300.
 Saint, R.B. 4940, 4942.
 Saito, H. 3253, 4483, 5122, 5497, 6354, 6401, 7293.
 Saito, I. 706, 707, 3373.
 Saito, J. 3887, 7317.
 Saito, T. 356, 2228, 4628, 5280, 6557.
 Saitoh, T. 5145, 5146, 7334, 7336.
 Sakaguchi, B. 268, 1250, 1491, 1521, 4822, 6871, 6898.
 Sakaguchi, K. 7025.
 Sakaguchi, M. 81, 83.
 Sakaguchi, T. 2903.
 Sakai, A. 973.
 Sakai, F. 2527.
 Sakai, H. 6268.
 Sakai, M. 3054.
 Sakai, T. 2812.
 Sakairi, N. 54, 139.
 Sakakibara, H. 209.
 Sakakibara, Y. 1068.
 Sakamaki, T. 1394.
 Sakamoto, T. 677, 4614, 4766, 6071.
 Sakamoto, Y. 2253.
 Sakamishi, S.-I. 632.
 Sakano, H. 754, 4997, 7089.
 Sakharova, N.K. 3648.
 Sakharovsky, V.G. 3885.
 Sakinkova, L.K. 2790.
 Sakiyama, S. 3566, 6077, 6497.
 Sako, Y. 1604.
 Sakuma, K. 615.
 Sakura, H. 149, 2222.
 Sakurai, K. 4615.
 Sakurai, Y. 5769.
 Saka-Trepat, J.M. 3655, 6243, 6922.
 Salas, C.E. 767, 3458, 4689, 4893.
 Salas, J. 161.
 Salas, M. 161, 3709.
 Salcher, I. 5059.
 Salden, M.H.L. 2395.
 Saleem, M. 4127.
 Salem, H.M. 3155.
 Salemin, P.J.M. 6670.
 Salerno, C. 1230.
 Salganik, R.I. 740, 1207, 2188, 2790, 3434, 3439, 5619, 5643, 5819, 6094.
 Salikhov, T.A. 215.
 Salisbury, S. 151, 1381.
 Salle, G. 2101.
 Salles, J.M. 879.
 Salmons, M. 3234.
 Salo, A. 1789.
 Salomon, R. 2486.
 Salser, W.A. 1051, 1142, 7090, 854, 1494, 3129.
 Salstrom, J.S. 992.
 Salvat, C. 2518.
 Salvik, N.S. 2180.
 Salyanov, V.I. 6099.
 Salzman, L.A. 386, 6185.
 Salzman, N. 3547.
 Salzman, N.P. 638, 897, 3583, 5542, 6790.
 Samal, B. 2521, 5986.
 Samarina, O.P. 2997, 3531, 3777, 3939, 6807.
 Sambrook, J. 1934, 4776.
 Samejima, T. 194.
 Sameshima, M. 5416, 6750.
 Samoilenko, I.I. 3812.
 Samoilov, V.I. 6867.
 Samols, D.R. 2660.
 Samuel, C.E. 1541, 3511, 4136.
 Samuel, K.P. 7322.
 Samuels, H.H. 3013.
 Samuelsson, T. 1882.
 Samukov, V.V. 5777.
 Sanadi, D.R. 4048.
 Sancar, A. 5600, 7062.
 Sanceau, J. 3882.
 Sanchez de Jimenez, E. 7104.
 Sanchez-Madrid, F. 5879.
 Sanchez-Rincon, D.A. 4271.
 Sanchez-Romero, D. 511.
 Sanchez, F. 3047.
 Sandakhchiev, L.S. 4199, 926, 2000.
 Sandberg, A.A. 1297, 3898, 5051.
 Sander, C. 6609.
 Sander, E. 4176.
 Sander, G. 2965, 3270, 4120, 6755.
 Sanders, J.P.M. 4350.
 Sanders, L. 1770.
 Sanderson, K.E. 2896.
 Sanderson, M. 1380.
 Sandmeyer, S. 5859.
 Sandomenico, M.L. 6044.
 Sane, A.S. 3271.
 Sanemitsu, Y. 4632.
 Saneyoshi, M. 168, 1191, 1337, 1733, 3388.
 Sanford, K.K. 349, 5671, 6516.
 Sangar, D.V. 1474.
 Sanger, F. 2604, 2605.
 Sanger, H.L. 4197, 5382.
 Sangwan-Norree, B.S. 5447.
 Sankoff, D. 241, 4226.
 Sano, H. 4765.
 Sano, M. 4281.
 Sansonno, D. 6281.
 Santella, R.M. 351, 5459.
 Santelli, J. 4048.
 Santelli, R.V. 4991.
 Santi, D.V. 576, 2219.
 Santi, L. 5044.
 Santi, P. 1765.
 Santoro, J. 3224.
 Santos-Ruiz, A. 1986.
 Santsevich, N.I. 303.
 Sanui, H. 465, 7208.
 Sanwal, G.G. 6259, 2171.
 Sapor, O. 1078.
 Sapra, G.R. 4043.
 Saragosti, S. 7353.
 Saran, A. 99.
 Sarantoglou, V. 5336.
 Sarasin, A. 5712.
 Sarfert, E. 1568.
 Sargent, J.R. 5058.
 Sargent, T.D. 3655, 6243, 6922.
 Sargentini, N.J. 2160.
 Sarhan, F. 7296.
 Sari, H. 7381.
 Sarkander, H.-I. 5202.
 Sarkar, N. 842, 1723.
 Sarkar, N.H. 4852.
 Sarkar, P. 5147.
 Sarkar, P.K. 271.
 Sarkar, S. 1551, 2945, 3943, 4536, 6471.
 Sarkisova, E. 2088.
 Sarkisyan, M.M. 5774.
 Sarma, D.S.R. 972, 4551, 6296, 6978.
 Sarma, M.H. 5947.
 Sarma, R.H. 115, 738.
 Sarma, Y.A. 28.
 Sarngadharan, M.G. 504.
 Sarocchi-Landousy, M.-T. 3418.
 Sarpotdar, A. 2311.
 Sarris, A.H. 5624.
 Saruno, R. 4265.
 Sarver, N. 3399.
 Sasada, R. 1126.
 Sasaki, K. 714, 6893.
 Sasaki, R. 4250, 6438.
 Sasaki, S. 6739.
 Sasaki, T. 82, 1824, 2228, 7202.
 Sasaki, Y. 5733, 7346.
 Sasatsu, M. 3204.
 Sasavage, N.L. 6911.
 Sasi, R. 6960, 7012.
 Sasisekharan, V. 368, 3087.
 Sassone-Corsi, P. 1542, 2655, 5515.
 Sastry, P.A. 2450.
 Satake, M. 1958.
 Sathe, G. 80.
 Sato-Odani, S. 3632.
 Sato, A. 4709, 5747, 5763, 6882.
 Sato, C. 4261.
 Sato, F. 3887.
 Sato, H. 356.
 Sato, J. 355, 3370.
 Sato, K. 5524.
 Sato, M. 2797.
 Sato, N.L. 1185, 2144, 7185.
 Sato, S. 179, 2555, 5124.
 Sato, T. 90, 468, 1358, 4634, 6586.
 Satta, G. 5610.
 Sautier, J.-M. 4978.
 Sauer, G. 1012, 3969, 7224.
 Sauer, H. 460, 7193.
 Sauer, O. 723.
 Sauer, R.I. 2608.
 Sauer, R.T. 5677.
 Sauerbier, W. 884, 2478, 5713.
 Saunders, G.F. 626.
 Saunders, J.R. 5588, 6345.
 Saunders, V.A. 2897.
 Sausville, E.A. 3803.
 Sautiere, P. 2247, 5676.
 Savageau, M.A. 6680.
 Savart, M. 7341.
 Savchenko, I.V. 3509.
 Savel'yeva, G.E. 7144.
 Savin, F.A. 5318.
 Savinkova, L.K. 5619.
 Savino, M. 4538.
 Savost'yanov, G.A. 6943.
 Savtsova, Z.D. 5298.
 Sawada, H. 5549, 5561.
 Sawada, S. 6460.
 Sawada, Y. 4320, 5595, 7043.
 Sawai, Y. 1710, 3887, 7317.
 Sawecka, J. 6845.
 Sawicki, S.G. 3623, 4038.
 Sawin, V.L. 3562.
 Sawyer, R.C. 3543, 3867.
 Sawyer, T.H. 6102.
 Saxe, S.A. 3663.
 Saxena, D.M. 1990, 6019, 6291.
 Saxholm, H.J.K. 5842.
 Saxinger, C. 4533.
 Sayer, A.M. 7448.
 Sayers, I. 5000.
 Saykovich, E.G. 6847.
 Sayre, D.F. 2840.
 Sbano, E. 2713.
 Scaife, J. 2161.
 Scali, V. 421.
 Scangos, G.A. 7290.
 Scanlon, L. 1875.
 Scapini, G. 1344.

- Scappaticci, S. 3239.
 Scarano, E. 1222.
 Schablik, M. 2165.
 Schachaf, F. 2083.
 Schachter, B.S. 2474.
 Schaeffer, V.G. 1552.
 Schaer, D. 2567.
 Schafer, A. 2675.
 Schafer, D.E. 7457.
 Schafer, E. 3626.
 Schafer, G. 1365.
 Schafer, H.-J. 2922.
 Schafer, M.P. 6189.
 Schaffer, F.L. 5934.
 Schaffer, P.A. 1687, 2127.
 Schaffner, F. 7402.
 Schaffner, W. 2084.
 Schaknabatian, L.G. 2702.
 Schallehn, G. 4337.
 Schaller, H. 3102, 3757, 4315, 4941.
 Schambrock, A. 1624.
 Schanke, K.E. 1555.
 Scharnhorst, D.W. 4332.
 Schatsky, I.N. 1429.
 Schatzle, U. 6067.
 Schaub, H.W. 208.
 Schazschneider, B. 1560.
 Schcheglova, M.V. 3907.
 Schechter, A.N. 2223, 2373.
 Schechter, I. 2531, 6072.
 Schedl, P. 482, 6227, 6228.
 Schedl, T.B. 2662.
 Scheefers-Borchel, U. 4338.
 Scheer, U. 3318, 4044.
 Schein, P.S. 3311.
 Scheinbach, S. 3682.
 Scheinker, V.Sh. 2374, 2394.
 Schell, J. 1132, 2151, 2749, 5096, 5714, 7029, 7252.
 Schell, M.A. 4764.
 Scheller, K. 2661, 6067.
 Scheller, R.H. 709, 1456, 1490, 2085, 2658.
 Schellman, J.A. 335, 382.
 Schendel, P.F. 2703.
 Schendel, P.L. 7364.
 Scher, B.M. 990.
 Scher, C.D. 4432.
 Scheraga, H.A. 6392.
 Scherbakov, V.I. 453.
 Scherberg, N.H. 185.
 Scherer, E. 3681, 5466.
 Scherer, G. 377.
 Scherer, G.E.F. 1181.
 Scherer, S. 4465.
 Scherneck, S. 2397, 6191, 7450.
 Scherrer, K. 270, 6069, 7415.
 Scherzinger, E. 7394.
 Scheurich, P. 2922.
 Scheurle, M. 4.
 Scheving, L.E. 3825.
 Scheving, L.F. 2132.
 Schevitz, R.W. 4079.
 Schibler, U. 2493, 4839, 6810, 6929.
 Schick, J. 6269.
 Schiebel, W. 1734.
 Schiemann, J. 514.
 Schiff, R.D. 1204, 1289.
 Schiffman, A.L. 2361.
 Schild, D. 3828.
 Schild, G.C. 1938.
 Schilling, R. 4236.
 Schilperoot, R.A. 2024.
 Schimatchenko, V.V. 3955.
 Schimke, R.T. 1039, 1694, 1890, 2503, 3854, 4252, 5228, 6142, 6449, 6874.
 Schimmel, P.R. 2299.
 Schimmer, O. 3159.
 Schimpff, G. 470.
 Schinazi, R.F. 4039, 6561.
 Schindler, D. 3501.
 Schiop-Stansly, P. 5092.
 Schioppacassi, G. 2588.
 Schlaeger, E.-J. 1269, 3303.
 Schlatter, C. 3080, 5465.
 Schlegel, R.A. 177.
 Schlecht, T. 5387.
 Schleif, R. 1025.
 Schleifer, K.H. 1033.
 Schlesinger, S. 2498, 3545.
 Schlessinger, D. 492, 7315.
 Schlicht, M. 1303.
 Schlimme, E. 1368.
 Schlipf, E. 678.
 Schlom, J. 2551, 6086, 6089, 7092.
 Schlotmann, M. 5681.
 Schluter, B. 2525.
 Schmah, D. 4648.
 Schmeissner, U. 651, 4344.
 Schmickel, R.D. 1629.
 Schmid, B. 3017.
 Schmid, C.W. 331, 3780.
 Schmid, F.X. 1155, 3226.
 Schmidt, A. 2217, 3228, 5917.
 Schmidt, B. 3233.
 Schmidt, F.J. 246, 1706.
 Schmidt, J. 2076.
 Schmidt, O. 749, 1954.
 Schmidt, P. 6894.
 Schmidtk, J. 3771.
 Schmieger, H. 5539, 5543.
 Schmitz, A. 640, 650, 651, 3250.
 Schmitz, K.S. 4287.
 Schneck, P.K. 5538.
 Schneider, C. 4694, 6122.
 Schneider, E.L. 1276, 1780, 6496, 7452.
 Schneider, H. 723.
 Schneider, S. 7130.
 Schneider, Y.-J. 7222.
 Schneller, J.-M. 2935, 755, 1876, 4694.
 Schnute, W.C., Jr. 5729.
 Schnyder, U.W. 6882.
 Schoen, A.E. 6130.
 Schoenmakers, J.G.G. 379, 2073, 2364, 2494, 2612, 6155.
 Scholtiscek, C. 1327, 2300, 2988, 4167, 5377.
 Scholz, I. 4996.
 Schott, H. 142, 330, 1372, 5791.
 Schott, J. 3174.
 Schottel, J. 3856.
 Schrader, J. 4624.
 Schrader, W.T. 5237.
 Schram, K.H. 56, 6611.
 Schramm, V.L. 553, 5781.
 Schraner, R. 2566.
 Schreiber, J.P. 2951.
 Schreiber, S.S. 526.
 Schreier, M.H. 4752.
 Schreier, P.H. 378, 6156.
 Schrempf, H. 5078.
 Schreuer, M. 2338.
 Schrier, B.K. 1524, 2920.
 Schrier, S.L. 6041.
 Schrier, W.H. 3394.
 Schroder, C.H. 4327, 6183.
 Schroder, J. 3626.
 Schroder, K. 4837.
 Schroeder, C. 2203.
 Schroeder, H.-P. 5379.
 Schroeder, J.L. 3244.
 Schroer, H.P. 3528, 3629.
 Schryvers, A. 1137.
 Schubert, A. 4726.
 Schubert, D. 6710.
 Schubert, E. 723.
 Schubert, I. 3139.
 Schubert, M. 1478.
 Schuerch, A.R. 3918.
 Schuller, E. 2229.
 Schulman, J.L. 6184.
 Schulman, L.H. 760.
 Schulte-Frohlinde, D. 1143.
 Schultz, R.O. 2337.
 Schumaker, V.N. 7437.
 Schumann, W. 4440, 7244, 7257.
 Schumm, D.E. 2001.
 Schumm, J.W. 3718.
 Schumperli, D. 1015.
 Schurrer, A. 3001.
 Schuster, G. 3625.
 Schuster, H. 1303, 7394.
 Schuster, J.S. 1093.
 Schuster, T.M. 7476.
 Schut, B.L. 1154.
 Schutt, C.E. 2463.
 Schutte, B. 1549.
 Schutz, E. 1200.
 Schutz, G. 484, 2504, 3012, 3128.
 Schutz, H. 4884.
 Schwartz, E. 1055.
 Schwartz, H.S. 2588, 6963.
 Schwartz, S.A. 3958, 7474.
 Schwartzbach, S.D. 1307, 6677, 7079.
 Schwarz, E. 3716.
 Schwarz, M. 1372, 6970.
 Schwarz, U. 166.
 Schwarz, Z. 6767, 7105.
 Schwarzbauer, J. 804.
 Schweber, M. 1621.
 Schweiger, H.G. 4451, 1529, 2945, 5684.
 Schweiger, M. 354, 2483, 3275.
 Schweizer, M.P. 4626.
 Schwulera, U. 1294, 5238.
 Schyolkina, A.K. 4295.
 Sciaba, L. 3674, 4898.
 Sciaky, D. 1716, 3207, 5097.
 Scipione, P. 1794.
 Scocca, J.J. 1095.
 Scodeller, E.A. 845.
 Scolnick, E.M. 3630, 4470, 5373, 5374, 5962, 6180.
 Sconzo, G. 1044.
 Scopes, D.I.C. 126.
 Scott, A. 5369.
 Scott, A.I. 1414.
 Scott, C. 5440.
 Scott, J.F. 573, 574.
 Scott, J.R. 7038.
 Scott, K.J. 4476, 4861, 6386.
 Scott, M.F. 3377.
 Scott, M.P. 4706.
 Scott, P.E. 7465.
 Scott, V.N. 983.
 Scott, W.A. 2860.
 Scovassi, A.I. 5154.
 Scovell, W.M. 5805, 3429.
 Scowcroft, W.R. 3792.
 Scraha, D.G. 7342.
 Scraze, G.T. 4096.
 Scribner, J.D. 2905.
 Scudiero, D. 441.
 Seal, G. 4500, 5155, 6429.
 Sealy, L. 1164.
 Seaman, E. 1461.
 Seanger, W. 23.
 Searcy, D.G. 2243.
 Seale, P.F. 5485.
 Sears, B.B. 4650.
 Seawell, P.C. 433.
 Sebal, M. 6348.
 Sebastian, J. 2775.
 Secrist, J.A., III. 1357, 3386, 4033, 4633, 6587.
 Sedat, J.W. 5230.
 Sedlacek, I. 5371.
 Sedlacek, J. 1933.
 Sedlak, D.M. 3644.
 Sedlakova, M. 1080, 3149, 7145.
 See, Y.P. 4736.
 Seebeck, T. 2186, 4979, 5674, 7427.
 Seebor, A.M. 2021.
 Seeburg, P.H. 5523.
 Segmiller, J.E. 711, 5285.
 Seela, F. 708, 3374.
 Seeman, N.C. 4923.
 Seemayer, N. 3180, 7214.
 Sega, G.A. 1085, 2582, 7158.
 Segal, A. 2350, 5179.
 Segal, S. 6824.
 Segall, J. 7358.
 Segarra, J.T. 1336.
 Segawa, K. 1265, 2862.
 Segawa, T. 2693.
 Seglen, P.O. 1421.
 Sehgal, P.B. 928, 2002, 3437, 4014, 4211, 6002.
 Sei, T. 2400.
 Seibert, G. 5282, 6766.
 Seide-Kehoe, R. 1106.
 Seidman, J.G. 1874, 2456, 2668, 2871, 6515, 7091, 7285.
 Seidman, M.M. 638, 2233, 5542, 5658.
 Seidman, S. 7352.
 Seidner, S. 1203.
 Seif, I. 3727, 7046.
 Seifart, K. 3001.

- Seipke, G. 5471.
 Seits, I.F. 362, 3002.
 Seits, J.F. 4840, 6943.
 Seitz, J.F. 3569.
 Seitz, U. 5987.
 Sekeris, C.E. 846, 2833, 3600, 6067.
 Seki, S. 443, 3816.
 Sekiguchi, M. 1500, 1501, 2221, 4412, 5032, 5175, 5547.
 Sekikawa, K. 4320.
 Sekimizu, K. 1725, 6883.
 Sekine, M. 139.
 Sekine, T. 1337.
 Sekiya, T. 3114, 5816, 5817, 5989, 5990.
 Sekiya, Y. 5739.
 Sela, B.-A. 2142.
 Selander, R.-K. 5186.
 Seliger, H. 164, 1374, 2924.
 Selimova, L.M. 3466.
 Selivanova, O.M. 4178.
 Selker, E. 6216.
 Sell, A. 5446.
 Sell, S. 1328, 3655, 6922.
 Seller, J.P. 7157.
 Sellinger, O.Z. 767, 2375, 4689.
 Sells, B.H. 284, 1432, 4114, 5352, 5659, 6728.
 Selsing, E. 5803, 6134, 6349.
 Selsky, M.I. 1397.
 Selvig, S.E. 3575.
 Selzer, G.B. 3534.
 Semal, J. 873.
 Semancik, J.S. 837, 3052, 5441.
 Semenov, Yu.P. 821, 1173, 1447, 2405, 5894.
 Semenov, M.A. 2595.
 Semanova, G.A. 3765, 5443.
 Semanova, N.P. 6085.
 Semin, Y.A. 1578.
 Semler, B.L. 868, 6794.
 Semorile, L. 6237.
 Semyonov, M.A. 4920, 7007.
 Semyonova, N.P. 1545.
 Sen, A. 956.
 Sen, G.C. 577, 2520, 2541, 4852.
 Sen, S.K. 3658, 6260.
 Senchenkov, E.P. 583, 7410.
 Senda, S. 2315, 2906, 6568.
 Sendekki, W. 584.
 Senga, K. 3370.
 Senger, D.R. 935.
 Sengupta, S.K. 2567.
 Senior, M.B. 628.
 Seno, T. 3266.
 Senshu, T. 2834.
 Sentenac, A. 2194, 2774, 7351.
 Senula, G.C. 6496.
 Seo, H. 185, 2507, 3592, 6009, 7203.
 Sepe, S. 1222.
 Sepulveda, A. 2448.
 Sequaris, J.M. 5003.
 Sequin, U. 5308.
 Serafinowski, P. 703, 1834.
 Seraydarian, M.W. 6295.
 Serdyuk, I.N. 1428.
 Serdyuk, L.S. 620.
 Sereqina, T.B. 4410.
 Sergeant, A. 3988, 4321.
 Sergeeva, N.F. 4070.
 Sergejeva, G.I. 7071.
 Seriakova, T.A. 3985, 3986.
 Serkedzhieva, Y.P. 4024.
 Serra, I. 6327.
 Serra, M.J. 3249.
 Serrate, S. 4527.
 Seros, G. 6397.
 Serunian, L.A. 2866.
 Serventi, I. 5973.
 Seryakova, T.A. 2969.
 Seshadri, R. 411.
 Seshadri, T.M. 1103.
 Sethi, V.S. 958.
 Setlow, R.B. 2113, 3165, 3822, 4908, 6311, 7167, 7303.
 Seto, H. 2163.
 Setoguchi, Y. 3610, 3611.
 Seterfield, G. 2546.
 Seuzane, H. 3055.
 Seurinck, J. 5714.
 Sevaljevic, L. 3994, 6477.
 Sevall, J.S. 5001, 7463.
 Severin, E.S. 1759, 3415, 3953, 4473, 6474, 7306.
 Severtsova, I.V. 2360, 5317.
 Sevilla, M.D. 3083.
 Seybold, W.D. 790.
 Seyfert, H.-M. 4869, 6859.
 Shabarchina, L.I. 4920, 7007.
 Shabarova, Z.A. 730, 731, 2344, 2359, 2365, 3422, 4070, 4662, 5299, 6932.
 Shablovskaya, E.A. 2496.
 Shadomy, S. 5266.
 Shaeffer, J. 5053.
 Shafer, W.M. 1281.
 Shaffer, J. 7033.
 Shafferman, A. 3202.
 Shafritz, D.A. 830, 924, 2235.
 Shah, C.K. 6476.
 Shah, D.M. 415, 3768.
 Shah, K.V. 5503.
 Shah, V.C. 2114.
 Shaila, S. 2520.
 Shakespeare, P.G. 495.
 Shakhova, I.K. 3821.
 Shakked, Z. 151, 1381.
 Shakulov, R.S. 2510.
 Shalaby, A. 297.
 Shalamberidze, M.V. 2344.
 Shall, S. 2215, 2816, 5178.
 Shanblatt, S.H. 4305.
 Shander, M. 7449.
 Shang Wang, B. 3282.
 Shank, P.R. 670, 2623, 3863, 3864, 4258.
 Shanks, C.T. 5750.
 Shanmugam, G. 2178.
 Shanmugam, K.T. 6211.
 Shannon, W.A., Jr. 3856.
 Shaool, D. 6253, 7058.
 Shapira, A. 2451.
 Shapiro, H.S. 7225.
 Shapiro, I.M. 360, 716.
 Shapiro, J. 5088.
 Shapiro, J.A. 5054.
 Shapiro, J.M. 7402.
 Shapiro, L.E. 3013.
 Shapiro, N.I. 3408.
 Shapiro, R. 37, 1835.
 Shapiro, S.G. 2540.
 Shaposhnikov, Ya.D. 6257.
 Shapov, V.S. 444, 1056, 1243, 1704, 1758, 2479, 2996, 4878, 6470.
 Sharhinpoor, M. 418.
 Sharkey, N.A. 2918, 6959.
 Sharma, A.K. 4015, 4875.
 Sharma, G.P. 6938.
 Sharma, O.K. 4600.
 Sharma, R. 6017.
 Sharma, S. 3814.
 Sharp, P.A. 857, 3007, 3535, 3855, 5946, 5960.
 Sharpe, A.H. 1531.
 Sharpless, T. 3189.
 Sharvashidze, D.I. 3990.
 Shashkov, V.S. 7009.
 Shatinina, N.N. 1570, 5587.
 Shatkin, A.J. 818, 1861, 2980, 4133, 5370, 5961, 6906, 6907.
 Shattuck, D.M. 6045.
 Shaw, A.R. 2609.
 Shaw, B.D. 6705.
 Shaw, C.H. 4562.
 Shaw, D.D. 2557.
 Shaw, G. 68, 1822.
 Shaw, J.E. 3731.
 Shaw, P.A. 626.
 Shcherbakova, L.I. 2904.
 Schchipkov, V.P. 5483.
 Shealy, Y.F. 1351.
 Shearer, R.W. 259.
 Shearer, W.T. 1666.
 Shearman, C.W. 4411, 6429.
 Shechter, Y. 3145.
 Sheehy, R.J. 1270.
 Sheid, B. 1985, 3081, 5585.
 Sheikholeslam, S. 4865.
 Sheikina, T.A. 1661, 3823, 7172.
 Sheina, G.G. 38.
 Sheinss, D. 1593, 7098.
 Sheinin, R. 5715.
 Sheldon, R. 1125.
 Sheldrick, G.M. 98, 151, 1381.
 Sheldrick, P. 6176.
 Shelestin, V.A. 1766.
 Shelpakova, E.L. 6961.
 Shelton, E.R. 3332.
 Shelton, K.R. 1261.
 Shemeryankina, M.I. 675.
 Shemyakin, M.F. 4341, 1182, 6000, 6365, 6525, 6852.
 Shen, A.L. 5461.
 Shen, C.-K.J. 3717.
 Shenk, T. 389, 5504, 7109.
 Sheoran, I.S. 2523, 3883.
 Shepard, H.M. 2149.
 Shepherd, G.W. 5395, 6801.
 Shepherd, H.S. 4650.
 Shepherd, J.D. 3937.
 Shepherd, M.H. 1041.
 Shepherd, M.J. 6635, 6636.
 Shepherd, R.J. 2898, 4176, 5367.
 Sheppard, R.C. 131, 4060, 5800, 6629.
 Sheridan, R.B., III 1702.
 Sherin, L.A. 47.
 Sherlock, S. 1732.
 Sherman, A. 5789.
 Sherman, F. 4463.
 Sherman, F.B. 4078.
 Sherr, C.J. 2753.
 Sherratt, D.J. 1685.
 Sherrord, P. 5001.
 Shersheva, L.P. 5327.
 Sheshtakov, S.V. 104, 4398, 6991.
 Shevchuk, M. 5363.
 Shevtsova, M.Ya. 1264.
 Shewmaker, C.K. 1776.
 Shiba, T. 5896.
 Shibalova, T.A. 223.
 Shibano, Y. 50.
 Shibasaki, I. 4971.
 Shibata, T. 3235, 4483, 4885, 6353, 7327.
 Shibata, Y. 5280.
 Shibuya, M. 4446, 7246.
 Shick, V.V. 599.
 Shieh, H.-S. 1380.
 Shields, A. 4953.
 Shields, D. 6073.
 Shiffman, M.L. 648.
 Shifter, K. 6902.
 Shigematsu, H. 321, 2742.
 Shigeno, Y. 15.
 Shih, C.T. 2005, 5342.
 Shih, D.S. 2005, 5342.
 Shih, T.Y. 5373.
 Shiao, I. 7388.
 Shik, V.V. 4548.
 Shilov, L.A. 4840.
 Shima, A. 535, 6239.
 Shimabayashi, Y. 1048, 5739.
 Shimada, K. 4930, 5027.
 Shimada, T. 1867.
 Shimanskaya, T.V. 2785.
 Shimei, B. 7060.
 Shimidzu, T. 154, 4660.
 Shimizu, A. 4816, 5524.
 Shimizu, K. 2414, 5032.
 Shimizu, M. 5497, 6401.
 Shimizu, T. 1009.
 Shimkin, M.B. 442.
 Shimojo, H. 1265, 5595, 6270.
 Shimomura, E. 2253.
 Shimotohno, K. 5384, 6898.
 Shimoyama, M. 4421.
 Shimura, K. 2769.
 Shimura, Y. 754.
 Shin, S.-I. 5735.
 Shinada, T. 539.
 Shinagawa, M. 6169.
 Shindo-Okada, N. 179, 1228, 5171.
 Shine, J. 5523.
 Shinohara, K. 358, 975, 1247.
 Shinohara, Y. 4390.
 Shinomiya, T. 3932, 5124.
 Shinozaki, K. 1703.
 Shinriki, N. 239.
 Shiokawa, K. 268, 1504, 5416.
 Shiokawa, Y. 3181.
 Shiono, K. 714.
 Shioura, N. 1551.
 Shiragami, M. 4021.
 Shirahata, S. 358, 1247.
 Shiraishi, Y. 5051.

- Shirasaka.T. 5267, 5270.
Shirasawa.N. 6068.
Shire.S.J. 7476.
Shires.T.K. 1915.
Shirley.T.L. 2434.
Shirley.M. 1420.
Shiroki.K. 1265, 5595.
Shirotake.S. 2903, 5727, 5734.
Shishido.K. 7460.
Shishkin.G.V. 740, 6094.
Shishkova.O.V. 3177.
Shiurba.R. 7447.
Shivaji.S. 1990, 6019, 6291.
Shivakumar.A.G. 3175.
Shive.W. 6675.
Shively.J.E. 5729.
Shkuratovsky.I.Ya. 6953.
Shkurka.L.P. 34.
Shkurko.O.P. 30.
Shlaes.D.M. 5034.
Shlomai.J. 555.
Shmatchenko.V.V. 1333, 6483.
Shmookler Reis.R.J. 2548, 405.
Shneyour.Y. 7302.
Shobukhov.V.M. 7345.
Shoda.S. 65.
Shoemaker.C.B. 598.
Shoemaker.N.B. 3860.
Shohami.E. 5771.
Shoji.F. 677.
Shooter.K.V. 2564, 2572, 7178.
Shoutko.A.N. 5587.
Shoyab.M. 956, 2583, 6304, 6313.
Shub.D.A. 5620.
Shubina.T.N. 5777.
Shudo.K. 688, 6988.
Shugali.A.V. 3687, 4368, 4913, 4915.
Shugar.D. 23, 61, 78, 547, 4616, 4652, 5029, 5264, 5758.
Shugart.L. 4681.
Shukuya.R. 7312.
Shuler.C.F. 419.
Shulman.L. 3228.
Shulman.M.J. 6054.
Shulyupina.N.V. 7128.
Shum.B.W.-K. 1387.
Shumskaya.I.A. 6052.
Shumyantseva.V.V. 1373.
Shupnik.M.A. 5862, 5863, 6011.
Shure.H. 4094.
Shutko.A.N. 1570.
Shutt.N. 578.
Siano.D.B. 3430.
Sibler.A.-P. 1876, 2935.
Sibold.L. 2162.
Sicard.A.M. 5107.
Siccardi.A.G. 4213.
Sichova.E. 429.
Siddell.S.G. 4151.

Siddiqui.A. 6182.
Siddiqui.M.A.Q. 306, 2978.
Sidelnikova.N.P. 1207.
Sidorenko.L.I. 1672, 6499.
Sidorik.E.P. 5762.
Sidorik.O.A. 5762.
Sidorov.G.V. 3393.
Sidransky.H. 281, 5357.
Sidwell.R.W. 1353, 1371, 3365.
Siebenlist.U. 4948, 7329.
Siebens.H.C. 2511, 5390.
Sieber.G. 817.
Siegal.G.P. 4759.
Siegel.A. 3552.
Siegel.E. 2442.
Siegel.F.L. 213.
Siegele.D.A. 3713, 3973.
Siegmanna.M. 6738.
Sielwanowicz.B. 3627.
Siemes.L. 7333.
Sierakowska.H. 1209.
Sigel. H. 93.
Sigler.P.B. 3461, 4079.
Sihag.R.K. 2523.
Sikorski.G.W. 1648, 1666, 7165.
Silberstein.A. 6740, 6854.
Silbert.P.E. 6689.
Silen.W. 1814.
Silengo.L. 205, 2420.
Sillflow.C.D. 4186, 5988.
Sillerud.L.O. 7457.
Silnutzer.J. 6161.
Silva.B. 2151, 5714.
Silver.J.C. 4549, 4586.
Silver.L.M. 1256, 2866.
Silver.M. 7356.
Silver.S. 3581, 3856, 4189, 4328.
Silverman.D.J. 1000.
Silverman.L. 3106.
Silverman.M. 2070.
Silverman.S. 749, 2937, 3451.
Silverstein.S. 930, 5116, 7290.
Sim.G.K. 2562, 6936.
Sim.S.-K. 968, 5453, 6119.
Sim.W.J. 537.
Simchen.G. 3178.
Simek.J. 2731.
Simet.I. 5636.
Siminovich.L. 3412, 6602.
Simizu.B. 3009, 4503.
Simmons.D.T. 7294.
Simmons.R.R. 5033.
Simon.H. 2824.
Simon.R.D. 3701.
Simon.R.H. 2838, 3950.
Simonian.M.H. 6329.
Simonneau.L. 4400.
Simons.G. 2494.
Simons.J. 3940.
Simons.J.W.I.M. 6301.
Simons.K. 5430.
Simonsen.C. 6007.
Simonsen.C.C. 6006, 7413.
Simpson.L. 329, 4881.
Simpson.M.V. 6242.
Simpson.R.A. 1803.
Simpson.R.B. 7478.
Simpson.R.S. 4861.
Simpson.R.T. 2861, 5204.
Simpson.R.W. 5404.
Sims.H.F. 5948.
Sims.P. 2056, 4830, 4903.
Simuth.J. 5142, 6018.
Sinclair.M.I. 5082.
Sinden.R.R. 2109.
Singer.B. 2353, 2367, 3676, 4674, 6109, 6302, 6814.
Singer.D.S. 7096.
Singer.J. 5729.
Singer.K.H. 1847.
Singer.M. 4960, 4961, 6722.
Singer.R.A. 1969, 3015.
Singer.R.H. 931, 941.
Singh-Bergmann.K. 6732.
Singh.C. 959, 5716.
Singh.L. 3976.
Singh.M. 2171.
Singh.P. 5755.
Singh.R.P. 4802, 6795.
Singh.R.S. 4228.
Singh.S.S. 2171, 6259.

Singh.V.P. 7151.
Singhal.R.L. 5409.
Singhal.R.P. 4073.
Singhal.S.K. 2224, 2226, 3837.
Singleton.C.K. 4058.
Sinha.B.K. 7418.
Sinha.N.K. 7467.
Sinha.T.K. 156.
Sinibaldi.R.M. 5761.
Siniscalco.M. 3561.
Sinsheimer.R.L. 13.
Sinskey.A.J. 6202, 6287.
Sipes.J.N. 1682.
Sippel.A.E. 484, 2504, 3012, 3128.
Sirotkin.K. 1219.
Sirover.M.A. 4504, 6452.
Sisco.K.L. 3861.
Sisson.V.A. 5533.
Sista.H.S. 6537.
Sisto.R. 3659.
Sivenas.C. 1362.
Sivok.B. 7311.
Sivolap.J.M. 1771.
Sjoberg.B. 217, 805, 1424.
Sjoberg.B.M. 1235.
Skagen.D.W. 949.
Skalka.A. 5115, 6234.
Skalka.M. 6376.
Skalko.R.G. 4026.
Skapski.A.C. 43.
Skarlat.I.V. 5189.
Skidmore.C.J. 601.
Skinner.D.M. 3122.
Sklar.R. 5562.
Sklyadnaya.V.B. 365.
Skoczylas.B. 344.
Skokova.F. 2772.
Skokova.I.F. 2772.
Skold.S.-E. 1430.
Skolimowski.I.M. 4284.
Skooft.F. 105, 5326.
Skoog.L. 7177.
Skopek.T.R. 4270.
Skorupska.A. 7019.
Skotnikova.O.I. 435.
Skov.P.S. 929.
Skovronskaya.E.V. 5575.
Skovsgaard.T. 7231.
Skovronski.J. 1626, 4539.
Skrinska.V.A. 1755, 1757.
Skroch.D. 2030, 2371.
Skryabin.K.G. 1585, 1614, 2654, 4469.
Skuladottir.G.V. 319.
Skulnick.H. 1842.

Skuratovskaya.I.N. 5500.
Skuratovskii.I.Y. 1602.
Skuridin.S.G. 7009.
Sladkova.I.A. 5108.
Slae.S. 37, 1835.
Slater.A.A. 4156, 5576.
Slater.R.J. 3577.
Slattery.E. 2520, 2541.
Slavenas.I.Yu. 1073, 2123.
Slavik.J. 4611.
Sleeper.H.L. 733, 6630.
Slegers.H. 798, 1435, 3940, 4667, 7462.
Sleigh.M.J. 4168.
Sletten.E. 5721.
Slezarikova.V. 3149.
Sliifin.M.A. 2308.
Slobbe.A. 6709.
Slobin.L.I. 6758.
Slocombe.P.M. 2604, 2605, 3707.
Slomski.R. 5183.
Slonimski.P.P. 5513.
Sloof.P. 799.
Slor.H. 1161.
Slotin.L.A. 3132, 3133.
Sluse-Goffart.C. 6627.
Sluse.F.E. 6627.
Smales.W.P. 7120.
Smallwood.J. 3010.
Smekal.E. 4889.
Smerdon.M.J. 631, 7170.
Smiley.B.L. 4938.
Smiley.J.R. 1003.
Smirnov.V.D. 730, 2365, 4070, 6932.
Smirnov.Yu.A. 4291.
Smirnova.I.A. 1455.
Smirnova.N.M. 29.
Smirnova.N.R. 7345.

Smith-Johannsen.H. 4790.
Smith-Sonneborn.J. 5040.
Smith.A.E. 1530, 2158, 5339.
Smith.A.J.H. 2594, 2605, 3878.
Smith.B.A. 5926.
Smith.B.J. 1262.
Smith.B.P. 3075.
Smith.B.R. 1025.
Smith.C.L. 2874.
Smith.D. 1059.
Smith.D.F. 5485.
Smith.D.H. 5620.
Smith.D.L. 2905.
Smith.D.P. 7171.
Smith.D.R. 1481.
Smith.D.W. 7070.
Smith.D.W.E. 6689.
Smith.G.E. 1598, 6187.
Smith.G.H. 2268.
Smith.G.J. 1074, 5303.
Smith.G.L. 2699.
Smith.G.R. 3099.
Smith.H.Jr. 7402.
Smith.H.O. 2084, 3861.
Smith.I. 3014, 6712.
Smith.J.D. 3218.
Smith.J.E. 4215.
Smith.J.S. 3532.
Smith.J.T. 2916.
Smith.K. 254, 7287.

- Smith, K.C. 2160, 2301, 2899, 6990, 7372.
 Smith, K.D. 6249.
 Smith, L.A. 5139.
 Smith, L.D. 4812, 6325.
 Smith, M. 160, 744, 1386, 2082, 2604, 3241, 3242, 4189, 4328, 4983, 6090, 6551, 7053.
 Smith, M.A. 473, 7292.
 Smith, M.D. 4864.
 Smith, M.J. 5518.
 Smith, M.M. 3005.
 Smith, N. 1904.
 Smith, N.S. 2879.
 Smith, R.E. 4853.
 Smith, R.J. 3030.
 Smith, S.H. 5276.
 Smith, S.L. 1058, 3417, 4031.
 Smith, S.S. 4488.
 Smith, S.W. 1160, 4852.
 Smith, T.F. 5943.
 Smits, D.P. 937.
 Smits, M.A. 379, 2494.
 Smolova, N.T. 2305.
 Smolyaninova, O.A. 163.
 Smrt, J. 5305, 5780, 5798, 5910, 6626.
 Smuckler, E.A. 927, 1528, 2046.
 Smulson, M.E. 618, 622, 3311, 4544.
 Smyth, J. 3375.
 Smythies, J.R. 645, 3296.
 Snehkute, M.A. 5172.
 Sninsky, J.J. 6182.
 Snow, J.W. 2910.
 Snustad, D.P. 6549.
 Snyder, F.F. 711.
 Snyder, L.R. 1219.
 So, A.G. 5635.
 So, M. 1119, 2602, 4967.
 Sobel, M.E. 899, 2745.
 Sobolev, V.R. 4845.
 Soboleva, I.A. 163.
 Socher, S.H. 2435, 3598, 4237.
 Soderlund, H. 2889.
 Soderstrom, S.J. 2830.
 Soeda, E. 2633, 6192.
 Soellner, C. 4996.
 Sognier, M.A. 5048.
 Sogo, J.M. 3709.
 Soh, B.M. 271.
 Sojfer, V.N. 5616.
 Sokal, G. 7234.
 Sokawa, J. 1513.
 Sokawa, Y. 1513.
 Sokoloff, S. 902.
 Sokolov, N.A. 1768.
 Sokolov, N.N. 6040.
 Sokolova, I.S. 6293.
 Sokolova, N.I. 2344, 2359.
 Sokolova, T.M. 4851.
 Solage, A. 4924.
 Solaini, G. 1227.
 Solan, V.C. 46.
 Soldatov, S.P. 4398.
 Soie, M.J. 2248.
 Solheim, A.E. 1421.
 Soll, D. 749, 1325, 2937, 3443, 3451, 4085, 4683, 5322, 5828, 6688.
 Soll, L. 4966, 6665.
 Sollner-Webb, B. 2185.
 Solomon, C.J. 788.
 Somerville, R.L. 3992.
 Sommer, H. 651, 3703.
 Sommer, R. 3102, 4941.
 Sommer, S. 918.
 Sondergaard, J. 3786.
 Sondore, O.Y. 3320.
 Sonenberg, N. 1861, 4133.
 Sonenschein, A.L. 1329, 4485.
 Sonenschein, G.E. 886.
 Sonnenbichler, J. 1726.
 Sonnichsen, N. 6459.
 Sonoda, T. 2725.
 Sontheimer, R.D. 1241, 2227, 4530, 5184.
 Soo, R. 2804.
 Sood, P. P. 558.
 Soprano, K.J. 6887.
 Sorace, R.A. 3081, 5585.
 Sorarrain, O.M. 1581.
 Soreq, H. 928, 2486, 5527, 5918.
 Soriano, L. 2784.
 Soriano, P. 4999.
 Sorokin, A.I. 1758.
 Sorrell, J. 411.
 Sorrentino, S. 7304.
 Soto, M.A. 2448.
 Sotomayor, R.E. 1085.
 Souchier, C. 3056.
 Southern, D.L. 320.
 Southgate, C.C.B. 779.
 Southon, I.W. 91.
 Souvire, A. 299.
 Sox, T.E. 6252.
 Soyer, M.-O. 1791.
 Spadafora, C. 634.
 Spadari, S. 5638, 5719.
 Spahr, P.-F. 3544, 2459, 3746, 5933.
 Spanos, A. 4560.
 Spare, W. 1412.
 Sparks, M.B. 4711.
 Sparks, R.B. 5010.
 Sparks, R.B., Jr. 4561.
 Sparling, P.F. 6252.
 Sparrow, M.P. 1892.
 Spaulding, S.W. 6014.
 Speaker Birkenmeier, C. 6055.
 Spear, B.B. 1036.
 Spear, P.G. 2168.
 Spears, C. 934, 1921.
 Spears, C.P. 4025.
 Speck, J. 742.
 Speck, W.T. 351, 5459.
 Spector, D. 5228.
 Spector, D.H. 946.
 Spector, D.J. 3526, 3578.
 Speeg, K.V., Jr. 6315.
 Spehner, D. 2398.
 Speicher, M.N. 595.
 Speirs, J. 1538, 3567.
 Spencer, E. 567, 568, 1210.
 Spencer, H. 6954.
 Spencer, J.H. 380, 2092, 2614, 5717.
 Spencer, M. 3441, 3651, 4077, 6505.
 Spencer, R. 1983.
 Sperelakis, N. 301.
 Sperling, J. 1278, 4522.
 Sperling, K. 3275, 6303.
 Sperling, R. 1278, 3302.
 Sperrazza, N.M. 4987.
 Sperti, S. 1922, 2963, 5899.
 Spertzel, R.O. 6652.
 Spicer, E.K. 7458.
 Spicer, J.W. 839.
 Spiegelberg, H.L. 3191.
 Spiegelman, G.B. 521, 6405.
 Spiegelman, S. 840, 1739, 5401.
 Spier, P. 2421, 4107.
 Spiess, E. 195, 4103.
 Spillman, T. 4914.
 Spillmann, S. 1441.
 Spindler, K.R. 3800.
 Spindler, S.R. 525, 1729, 5628.
 Spinelli, G. 3031.
 Spirin, A.S. 1330, 1428, 2533, 2894, 2969, 3338, 3985, 5351.
 Spithill, T.W. 6746.
 Spitkovsky, D.M. 1768.
 Spitnik-Elson, P. 2407, 4714.
 Spitzbarth, M. 7254.
 Spizizen, J. 7241.
 Splaeth, E. 4765.
 Spodheim-Maurizot, M. 4300.
 Spohr, G. 228, 5396.
 Sponar, J. 1559, 6495.
 Sporns, P. 5744.
 Spradling, A.C. 4146.
 Sprague, K.U. 3099, 6799.
 Sprang, S. 96, 709.
 Sprecher, C.A. 6198.
 Spremulli, L.L. 1911, 4141, 5904.
 Spring, T.G. 6948.
 Springer, M. 4343.
 Sprinz, H. 2039.
 Sprinzl, M. 4001, 2430, 4601, 4680, 6666.
 Sprott, G.D. 2464.
 Spurna, V. 4438.
 Squibb, K.S. 2540.
 Squire, P.G. 4731.
 Streter, L. 3324.
 Sridhar, R. 3169.
 Sridhara, S. 2198, 2791, 3248.
 Srikrishnan, T. 3364.
 Srinivasan, S. 870, 4782, 5679.
 Srivastava, A. 7320.
 Srivastava, B.I.S. 1202, 4505.
 Srivastava, G.P. 980, 2589.
 Srivastava, P.C. 1353.
 Srivastava, R.C. 6958.
 Srivastava, V.K. 959, 980, 2589, 3382.
 Srivastava, V.P. 2589.
 Ssymank, V. 1518, 6262.
 St. Jeor, S.C. 7110.
 St. John, T.P. 3662.
 St. John, A.C. 761.
 Staal, G.E.J. 2809.
 Stabel, S. 6382.
 Stabellini, G. 1891.
 Stacey, D.W. 1939, 3637.
 Stack, S.M. 3791.
 Stackebrandt, E. 393, 4962.
 Staden, R. 2610, 3774, 4363, 6131.
 Stadnicki, S.S. 6986.
 Staehelin, T. 4752.
 Stafford, D.W. 4987, 7083.
 Stahl, A. 1974, 6035.
 Stahl, A.J.C. 755, 1876, 2935, 4694.
 Stahl, H. 3051.
 Stahl, J. 5356, 5883.
 Stahl, S.J. 519.
 Staiano-Coico, L. 3189.
 Stalder, J. 2186, 2856, 4979, 5674.
 Staley, J.T. 2076.
 Stalker, D.M. 4308.
 Stalker, K. 1175.
 Stamborg, J. 1084.
 Stambrook, P. 7082.
 Stanek, R. 2770, 5614.
 Stange, A.W. 2699.
 Stanciar, R.Y. 6199, 6200.
 Stanisish, S.M. 2103.
 Stanisic, T. 912.
 Stankiewicz, A.F. 3454.
 Stanley, F. 3013.
 Stanley, J. 1931, 3342.
 Stanley, K.K. 3272.
 Stanfield, A.G. 5639.
 Staples, R.C. 4497, 4498.
 Stark, A.A. 4270.
 Stark, C. 896.
 Stark, G.R. 2972, 3038, 5439, 6449, 6826, 6945.
 Starlinger, P. 6344, 3758.
 Starnes, C.O. 1665.
 Staron, K. 3879, 3966.
 Starostina, V.K. 7395.
 Starshinova, E.N. 3829.
 Staske, R. 5753.
 Statius van Eps, L.W. 6458.
 Staub, M. 472.
 Staudenbauer, W.L. 4016, 5538.
 Stauffer, G.V. 909, 2515, 7269.
 Stavrianopoulos, J.G. 506.
 Staynov, D.Z. 6505.
 Stebbing, N. 6653.
 Stec, W.J. 5745.
 Steck, P. 6625.
 Steckert, J.J. 7476.
 Stedman, J.D. 5662.
 Stedman, N. 3143.
 Steeck, R.E. 1053.
 Steele, J.A. 5176.
 Steele, R.E. 1611, 6229.
 Steele, W.J. 4722.
 Steer, B.T. 4099.
 Steer, W.M. 1040.
 Stefanini, M. 6310.
 Stefano, J.E. 4806.
 Stefanovich, L.E. 6645.
 Steffen, D. 2157.
 Steffens, W.L. 7436.
 Steggle, A.W. 226.
 Stehelin, D. 7087.
 Stehler, B.L. 2193.
 Steigerwalt, A.G. 2646.
 Steijns, J.M.J.M. 789.
 Stein, A. 597.
 Stein, D.B. 332, 2243.
 Stein, G. 3346, 3347, 3348, 7484.
 Stein, G.S. 669.
 Stein, J. 3346, 3347, 3348,

7484.
Stein,J.L. 669.
Stein,J.P. 3772.
Stein,R. 2323, 4793.
Stein,R.L. 2212.
Steinberg,A.D. 2223.
Steinbruck,G. 2650, 3116.
3334.
Steiner,F.G. 180.
Steinert,G. 5445.
Steinitz,M. 2102, 4387.
Steinmetz,A. 7291.
Steinmetz,M. 7286.
Steitz,J.A. 392, 5509, 6203.
Stel'mashchuk,V.Ya. 3487.
Stellwagen,E. 2211, 6426.
Stellwagen,R.H. 4798.
Stempka,R. 4807.
Stenberg,K. 3186.
Stengrevicz,O.A. 1452.
Stenzel,K.H. 1107.

Stepanov,A.I. 2159, 3091,
3213, 6346.
Stepanov,A.S. 644, 3335, 5236.
Stepanova,I.M. 1654.
Stepanova,O.B. 6932.
Stephen,E.L. 6652.
Stephen,J. 467.
Stephenson,C. 302.
Stephenson,G.P. 6567.
Stephenson,J.R. 2003, 3748.
Stephenson,P. 5375.
Stepien,P.P. 5109.
Stewski,Z. 1128.
Stepnov,V.P. 5484.
Stern,H. 3798.
Stern,L. 760.
Stern,M. 6945.
Stern,R. 2008.
Sternbach,H. 6700.
Sternberg,N. 995, 7036.
Sternberg,S.S. 2117.
Stern,R. 606, 1259.
Stetka,D.G. 4045.
Stetler,G.L. 7261.
Stetsenko,A.I. 5762.
Stetter,K.O. 7332.
Stettler,U. 1948.
Steup,M. 1518.
Steven,A.C. 827.
Stevenin,J. 6464.
Stevens,A. 6390.
Stevens,B.J. 5354.
Stevens,C. 3914.
Stevens,J.G. 6360.
Stevens,S. 5047.
Stevens,W.C. 7453.
Stevenson,A.J. 7205.
Steward,A.P. 5466.
Steward,R. 482.
Stewart,B.W. 1088, 2712,
4404, 5526.
Stewart,D.J. 3400.
Stewart,J.W. 4463.
Stewart,R.C. 2327.
Stewart,T.S. 5920.
Stewart,W.E., II 6075.
Stiles,J.W. 4048.
Stillman,B.W. 5243.
Stinchcomb,D.T. 4465.
Stinski,M.F. 6177.

Stipek,S. 455.
Sturpe,F. 1922, 5899.
Stitch,S.P. 7483.
Stobiecki,M. 2310.
Stocco,D.M. 3653, 5065.
Stocken,L.A. 594, 2491, 2843,
3309.
Stockley,P.G. 6485.
Stockx,J. 7308, 7309.
Stoffler-Meilicke,M. 6712.
Stoffler,G. 6544, 812, 2826,
5347, 6712.
Stokrova,J. 2748.
Stokrova,S. 1559.
Stolarski,R. 4652.
Stolarsky,L. 883.

Stollar,B.D. 229, 1868, 4526,
5655.
Stollar,V. 229, 3399, 4192.
Stoltzfus,C.M. 6043.
Stone,H.O. 2218.
Stone,P.R. 603.
Storace,A. 5059.
Storb,U. 4760.
Storl,H.J. 2824.
Storm,K. 3753.
Storti,R.V. 4244, 4706.
Stoughton,R.B. 2708.
Stout,C.D. 173.
Stout,E.R. 2202, 6004.
Stover,B.H. 1596.
Stow,N.D. 1006, 1008, 1018.
Stoyanova,B.B. 6879.
Stradi,R. 33.
Strair,R.K. 924, 2235.
Strathearn,G.E. 1051.
Strathearn,M.D. 1051.
Stratling,W.H. 2250, 3305,
4542.
Stratmann,M. 3128.
Straub,K. 4275.
Straus,N.A. 3120, 4359.
Strauss,S.E. 3988, 6271.
Straussberg,R.L. 5694, 3876.
Strauss,B. 5562.
Strauss,B.S. 6285.
Strauss,J.H. 1477.
Strauss,M. 2397.
Strayer,D.R. 4346.
Streeter,D.G. 1353, 3365.
Streffler,C. 4585.
Strehler,B.L. 2192, 7335.
Streips,U.N. 7454.
Strelkov,L.A. 3490.
Streltsov,S. 5895.
Stribrna,J. 2107.
Strickland,M. 1761.
Strickland,W.N. 1761.
Strike,P. 7242.
Stringer,E.A. 6757.
Stringer,J.R. 5376, 6781.
Strizhov,N.I. 1684, 5483, 5591.
Strochkova,L.S. 295.
Strohl,W.A. 5582.
Stroikov,Y.N. 5573.
Strojkoff,Yu.N. 456.
Strokovskaya,L.I. 4956, 5500.
Strom,C.M. 447.
Strom,G. 4909.
Strom,T.B. 6889.
Stromberg,K. 6315.

Strome,S. 1978.
Strominger,J.L. 5437.
Strommer,J. 1142.
Strong,J.E. 5454, 6101.
Strongin,A.Y. 325.
Strothkamp,R.E. 5624.
Stroun,M. 589, 7289.
Struhl,K. 4465, 6369.
Struk,V.I. 5298.
Strussberg,A. 1240.
Struxness,L.A. 5326.
Strycharz,G.D. 4973, 6727.
Strycharz,W.A. 3479, 5890,
5891.
Stubblefield,E. 5228.
Stuber,D. 2616.
Stucky,G.D. 6564.
Stud,M. 57.

Studnicka,G.M. 854, 1494.
Studzinski,G.P. 6885, 6379.
Stuhrmann,H.B. 1442.
Stuitje,A.R. 4372.
Stukacheva,E.A. 6000.
Stump,K.H. 6428.
Stumpf,C. 4883.
Stumpf,R. 5042.
Stumph,W.E. 5192, 6240.
Sturani,E.P. 6027.
Sturgill,T.W. 167.
Sturua,G.B. 1603.
Stutz,E. 1616, 6224.
Stvolinskaya,N.S. 607, 3558.
Styles Harris,M. 3515.
Su,R.T. 2678.
Suarez,H.G. 1131.
Subak-Sharp,J.H. 1006, 1007.
Subba Rao,M.N. 1516, 6840.
Subbotina,N.A. 2190.
Subrahmanyam,N.C. 3971.
Subramanian,A.R. 808, 1292,
5345, 815, 4102, 4115, 5347,
6526.
Subramanian,K.N. 389, 3729,
6194.
Suci,D. 2125.
Suda,T. 2093, 4261.
Sudaralingam,M. 173.
Sudhakar,S. 3311.
Suemune,H. 59.
Sugahara,T. 6998.
Sugano,N. 7317.
Sugden,B. 7049.
Sugihara,K. 77.
Sugimoto,E. 5861.
Sugimoto,K. 3102, 3704, 3756,
5486.
Sugimura,T. 149, 1867, 2222,
2823, 6988.
Sugino,A. 1223.
Sugino,Y. 1002, 1126.
Sugisaki,H. 3102, 3704, 3756,
5486, 6401, 6672.
Sugiura,A. 3513.
Sugiura,M. 1871, 5609, 5647.
Sugiura,T. 82.
Sugiyama,E. 2320.
Sugiyama,H. 6775.
Sugiyama,T. 636, 695, 3377.
Suhadolnik,R.J. 7485, 705,
2970, 3473, 4233, 4602.
Suiko,M. 6884.

Sukhanova,K.M. 6937.
Sukharevskaya,B.Ya. 1580.
Sukhodolets,V.V. 1121.
Sukhodub,L.F. 4617, 6127.
Sukhorukov,B.I. 2595, 2932,
4920, 7007.
Sukhova,T.I. 1704, 6470.
Sula,J. 2107.
Sulewski,T. 6685.
Sulimova,G.E. 414, 1057.
Sullivan,D.B. 2830.
Sullivan,D.T. 790.
Sullivan,M. 2668.
Sumegi,J. 3900.
Summers,D.F. 6006, 7413.
Summers,J. 1544.
Summers,M.D. 1598, 6187.
Summers,W.A. 2314.
Summers,W.C. 6451.
Summers,W.P. 6451.
Summerton,J. 7016, 7042.
Sumner-Smith,M. 4811.
Sumrada,R. 1083.
Sun,J.D. 291.
Sun,L. 2454, 2754.
Sundaralingam,M. 96, 709,
721, 1390.
Sundin,O. 3751.
Sundin,O.H. 635.
Sundmacher,R. 5296.
Sundquist,B. 7122.
Sunkara,P.S. 422.
Sures,P.M. 1682.
Sures,I. 5975.
Suria,D. 5191.
Surokov,V.V. 2653.
Suroviak,J.F. 14.
Surowiec,A. 2590.
Surrey,S. 1055, 4809.
Surviladze,Z.G. 4481.
Suryanarayana,T. 1292, 4102.
Surzycki,S.J. 6410, 7352.
Sushko,L.N. 4513.
Suslova,I.N. 4395.
Sussenbach,J.S. 3742, 6175,
7469.
Sussman,J.L. 756, 757, 4079.
Sussman,M.R. 49.
Sussman,R. 2267.
Sutcliffe,J.C. 374, 375.
Sutherland,J.G. 2571, 4298,
6116.
Sutter,D. 1127.
Suttle,D.P. 6729.
Sutton,C.A. 1433.
Sutton,D.W. 7183.
Sutton,J.E. 21.
Sutton,W.D. 6705.
Suyama,Y. 4090.
Suzuka,I. 586.

Suzuki,D.T. 5227.
Suzuki,H. 116, 3471, 5035,
5564, 7182.
Suzuki,I. 581, 5467.
Suzuki,K. 2100, 4281, 7201.
Suzuki,K.T. 3363, 4609.
Suzuki,M. 5581, 5647.
Suzuki,S. 691.
Suzuki,T. 82.
Suzuki,Y. 1664, 3767, 4755,
5787.

- Svejda,P. 2304.
Svelto,O. 4273.
- Sverdlov,A.G. 1654.
Sverdlov,E.D. 326, 1585, 2592,
4531, 6365, 7406.
Sverdlov,F.D. 2365.
Sveshnikov,P.G. 3668.
Svetlikova,S.B. 2183, 3968,
5668, 5869.
Svetlova,M.P. 7141.
Svirnovsky,A.I. 2785.
Svitkin,Y.V. 3046.
Svoboda,A.J. 1440.
Swaak,A.J.G. 6458.
Swaminathan,P. 173.
Swaminathan,S. 48, 51.
Swan,D. 6515.
Swan,J. 4935.
Swaneck,G.E. 4203.
Swanstrom,R. 4080.
Swanton,M. 5620.
Swarthof,T. 6670.
Sweetenham,J. 3670.
Svenberg,J.A. 347, 4277.
Sennen,L. 7348.
Swenson,D.H. 1566, 2045.
Swetly,P. 1750, 2691.
Swiderski,R.E. 6723.
Swift,H. 1615.
Swihart,M. 3123.
Swinscoe,J. 248, 3546.
Swinton,D.C. 420.
Sycheva,I.O. 898.
Sychova,I.V. 6827.
Sydow,G. 1206.
Sykes,J. 6025.
Sykora,K.-W. 5369.
Symons,M.C.R. 683.
Symons,R.H. 1019, 3550,
7360.
Synackova,M. 76.
Synenki,R.M. 415, 3708.
Sypherd,P.S. 3027.
Syrucel,L. 5684.
Syvanen,M. 3100.
Szabados,G. 5530.
Szabo,G. 875, 2165, 3294.
Szabo,L.D. 3465.
Szabo,P. 3561, 3978.
Szabolcs,A. 42, 5742.
Szabolcs,M. 2165.
Szczepaniak,K. 4616.
Szczesna-Kaczmarek,A. 5128.
Szczesna,E. 4242, 6762.
Szekerczes,J. 5580.
Szemzo,A. 746.
Szer,W. 848, 6638.
Szeto,W.W. 3212.
Szijan,I. 5544.
Szilagyi,J.F. 5630.
Szaraki,I. 3367.
Sztejn,M.B. 4527.
Szu,S.C. 4288.
Szulmajster,J. 1692.
Szybalski,W. 5718, 6344, 376,
992, 2787, 3858.
Szybiak,U. 4242.
Szyszko,J. 5029.
- Tabacik,C. 5066.
Tabidze,V.D. 6258.
- Tabor,C.W. 283.
Tabor,H. 283.
Taboury,J. 7419.
Tachibana,H. 2071, 6154.
Tagashira,Y. 413, 3778, 5460.
- Tagejeva,S.V. 3765, 5443.
Taguchi,H. 459, 685.
Taguchi,T. 1193, 2800.
Taha,H.M. 6559.
Tai,P.-C. 2957.
Taibi,G. 2210.
Taichman,L.B. 5212.
Taii,S. 4148.
Taillandier,E. 4917, 7419.
Taira,H. 2520.
Tait,R.C. 3097.
Takada,H. 6861.
Takada,K. 5596.
Takagi,S. 3649, 5343.
Takagi,Y. 4930, 5027.
Takahara,T. 15.
Takahashi,E. 608, 2514.
Takahashi,H. 83, 3363, 4609,
5497, 6401, 7293.
Takahashi,M. 2172.
Takahashi,N. 4625.
Takahashi,S. 688, 5145.
Takahashi,T. 1048, 1191,
1733, 4637.
Takaiwa,F. 5126.
Takaku,F. 3181, 5578, 6438.
Takaku,H. 129, 4659.
Takunami,M. 3102, 3704,
3756, 5486.
Takunami,Y. 5384.
Takano,M. 4971.
Takashima,Y. 1701.
Takayama,S. 632, 3160, 3162.
Takayasu,H. 1110.
Takebe,H. 3171.
Takebe,I. 5423, 5581.
Takechi,K. 713.
Takeda,A. 194.
Takeda,K. 6100, 6988.
Takeda,Y. 3987, 4425, 6818.
Takehisa,S. 7453.
Takeishi,K. 236.
Takemori,A.E. 1354.
Takemoto,K.K. 15, 1013,
4331, 7045.
Takemura,S. 878, 1950.
Takenaga,K. 2368.
- Takeshita,H. 2742.
Takeshita,M. 343, 2568.
Taketo,A. 1641, 1977.
Taketo,M. 1720, 3243.
Takeuchi,I. 6026.
Takeuchi,S. 7011.
Takeya,T. 4930, 5817, 5989.
Takiguchi,Y. 3396.
Takiguchi,Y. 3396.
Taktakishvili,M.O. 5796.
Tal,J. 1010, 5954.
Tal,M. 6740, 6854.
Tala,N. 6460.
Talen,J.-L. 4351.
Talkad,V. 908.
Talkington,C. 6160.
Taller,B.J. 105.
Tallman,G. 1763.
Tallman,N.A. 403.
- Talmadge,J.E. 2096.
Talmage,D.K. 6489.
Talpaert-Borle,M. 6453.
Talstad,J. 4874.
Tam,S.Y.-K. 1807.
Tamalet,J. 869, 5964.
Tamaoki,T. 5936.
Tamasi,P. 4406.
Tamaya,T. 7438.
Tamemasa,O. 362.
- Tamm,C. 5307, 5308.
Tamm,I. 928, 2002, 3437, 4014,
4367.
Tamm,J. 6266.
Tamura,K. 50.
Tamura,M. 73.
Tamura,S. 7392.
Tan,E.M. 5192, 6462.
Tanabe,K. 6430.
Tanabe,N. 5451.
Tanabe,T. 5730.
- Tanaka,A. 3581, 4328.
Tanaka,H. 4637.
Tanaka,K. 4265, 4478, 5779.
Tanaka,M. 149, 1048, 1408,
2933.
Tanaka,N. 1443, 5035, 5564,
5896, 6098, 7182.
Tanaka,O. 1349.
Tanaka,S. 128, 1178, 1376, 1779,
1843, 1871, 5419, 6632, 7464.
- Tanaka,T. 128, 134, 141, 1864,
3423, 5882, 7025.
Tanaka,Y. 2216, 3774, 4363.
Tancredi,T. 4540.
Tang,D. 1295.
Tang,M.-S. 5548.
Tang,T. 2108.
Tanifuji,S. 5126, 5665.
Tanigawa,Y. 4421.
Taniguchi,E. 6884.
Taniguchi,T. 1124, 4131, 5080,
5599, 5907.
Taniguchi,Y. 56.
Tanimura,A. 973.
Taningher,M. 4898, 5044.
Taniyama,Y. 134, 141.
Tannenbaum,J. 1509.
Tantravahi,R. 3978, 6511.
Taoka,S. 2813.
Tapaswi,P.K. 2482.
Tarabasanu-Mihaila,C. 2901.
Taramelli,R. 5929.
Tarantul,V.Z. 2470, 3558,
3692.
Tarasov,L.F. 2761, 5951.
Tarnowska,M.A. 1760, 7316.
Tarone,R.E. 349, 5671, 6516.
Tarrago-Litvak,L. 6421, 6425.
Tartof,K.D. 7086.
Tarusova,N.B. 1879.
Tas,P.W.L. 4114.
Tas,S. 2855.
Tasca,O. 4732, 5350.
Tashima,M. 5549, 5561.
Tashiro,F. 2776, 2777.
Tasseron-de Jong,J.G. 892.
Tata,J.R. 1176, 1533.
- Tatchell,K. 612, 6492.
Tate,V.E. 6484.
Tate,W.P. 4703.
Tateishi,M. 5491.
Tateno,Y. 2949.
Tatevosian,P.E. 4929.
Tatibana,M. 2725.
Tatosyan,A.G. 2991.
Tatsumi,K. 5561.
Tattersall,P. 5954.
Tatti,K.M. 951.
Taub,H. 21.
Taubert,K. 742.
Taudou,B. 3188.
Taudou,G. 3188, 7199.
Tavantzis,S.M. 5276.
Tavitian,A. 2422, 2477, 4207,
6597, 6736, 6737.
Tay,L.K. 6974.
- Taylor-Papadimitriou,J. 5295.
Taylor,A.L. 3718.
Taylor,D.M. 971.
Taylor,D.P. 3093.
Taylor,G. 1380.
Taylor,G.L. 5756.
Taylor,J. 865, 1946.
Taylor,J.A. 3410.
Taylor,J.H. 3123, 3166.
Taylor,J.M. 2539, 2629, 2759,
2768, 3580, 3591.
Taylor,K. 3196.
Taylor,M. 872.
Taylor,R.H. 252, 1492.
Taylor,R.P. 3286, 6457.
Taylor,S.A. 2318.
Taylor,S.E. 6579.
Taylor,W.C. 1613, 2070, 3760.
Taylor,W.G. 6516.
Tazawa,J. 741.
Tazawa,S. 741.
Tazawa,T. 6893.
Tazulakhova,E.B. 4849, 4851.
Tchao,R. 7184.
Tcheng,J.E. 1199.
Tchernov,A.P. 1589, 3104.
Tchizhikov,V.E. 2374.
Teare,E.L. 5286.
Teates,C.D. 1682.
Tedeschi,M.V. 3560.
Tedesco,T.A. 1100.
Tediashvili,M.I. 394, 5169.
Tediashvili,M.G. 2814.
Tee,O.S. 5731.
Teertstra,W.R. 1635, 3098.
Tegtmeier,C.J. 1682.
Tekamp,P.A. 3255.
Tekitek,A. 5838.
Telang,N.T. 4901.
Telford,J. 2084, 5921.
Telford,J.L. 6372.
Teller,G. 3376.
Teller,M.N. 1804.
Temin,H.M. 3921, 5502, 7119.
Tempel,K. 6297, 7204.
Templeton,M.A. 1804.
Temussi,P.A. 4540.
Tener,G.M. 747, 2937, 3451,
5227, 5326.
Teng,C.S. 2849.
Teng,C.T. 2849.
Teng,M. 260.

- Tennant,R.W. 2525, 5046.
 Teo,B.-K. 2565.
 Teoule,R. 6114.
 Teplitsky,A.B. 6127.
 ter Meulen,V. 1473, 3053.
 Ter Schegget,J. 3742.
 Terada,M. 889.
 Terao,K. 3510.
 Terao,M. 3396.
 Teraoka,H. 1416, 2960, 7392.
 Terasaki,M. 465, 7208.
 Terbojevich,M. 1561.
 Terent'ev,L.L. 6399.
 Tereshin,I.M. 3829.
 Terganova,G.V. 5309.
 Terner,C. 6030.
 Terrioux,C. 1848, 4553.
 Terzhak,D.R. 1448.
 Terui,G. 2467.
 Teschner,U. 4301.
 Teshima,T. 5896.
 Teslenko,L.V. 2389.
 Tesoriere,G. 2210.
 Tessman,E.S. 991, 2153.
 Tessman,I. 991, 2153.
 Testa,D. 4195.
 Testoni,G. 1922.
 Tew,K.D. 971, 3311.
 Tewari,K.K. 3136.
 Tewari,S. 4123, 6880.
 Texter,J. 4298.
 Tezuka,M. 2320, 2324.
 Thackrah,T.M. 5666.
 Thacore,H.R. 3008.
 Thakur,M.K. 5660.
 Thaler,M.M. 1678.
 Thang,D.C. 6694.
 Thang,M.N. 6694.
 Thanki,K.H. 2270, 6646.
 Tharaud,D. 6425, 6427.
 Theall,G. 4085.
 Theisen,C.T. 6328.
 Theiss,J.C. 442.
 Thelander,L. 7397.
 Theodoridis,A. 1362.
 Theriault,N.Y. 2361.
 Therkelsen,A.J. 6276.
 Therrien,H.B. 3193.
 Therwath,A. 270.
 Thevenin,G. 5201.
 Thiebaud,C.H. 6939, 6940.
 Thiele,B.J. 5937, 5979.
 Thielmann,H.W. 1669, 1712, 5036, 5037, 5612, 6380.
 Thierry,J.-C. 5855.
 Thimmappaya,B. 5504.
 Thiyagarajan,P. 851, 852, 5806.
 Thoenen,H. 4219.
 Thomale,J. 4088.
 Thomas Powell,A.L. 2624.
 Thomas,C. 5445, 7354.
 Thomas,C.A. 3212, 4877.
 Thomas,C.B. 961.
 Thomas,G. 752, 6738.
 Thomas,G.H. 3676, 6302.
 Thomas,G.J., Jr. 582.
 Thomas,H. 2998.
 Thomas,H.C. 1732.
 Thomas,H.J. 6581.
 Thomas,J.O. 848, 995, 6485.
 Thomas,K. 2998, 6922.
 Thomas,K.A. 2373.
 Thomas,M. 1031.
 Thomas,P.D. 2915.
 Thomas,P.S. 945.
 Thomas,R. 51.
 Thomas,T.L. 2658.
 Thomas,W. 5364.
 Thomason,A.R. 834.
 Thomassen,M.J. 2124.
 Thompson,D.P. 4435.
 Thompson,G.M. 2908.
 Thompson,J. 5897.
 Thompson,J.A. 3547, 6790.
 Thompson,J.F. 202.
 Thompson,L. 5285.
 Thompson,L.H. 181, 4693.
 Thompson,M.H. 6097, 6976.
 Thompson,R. 1607, 4304, 4957.
 Thompson,R.B. 7384.
 Thompson,R.L. 7212.
 Thompson,T.N. 1830.
 Thompson,W.F. 332, 2598.
 Thompson,W.H. 6784.
 Thomsen,D.R. 6177.
 Thomson,A.J. 4596.
 Thomson,I. 880, 936.
 Thomson,J.A. 313, 669.
 Thomson,K.S. 1546.
 Thomssen,R. 4952, 7054.
 Thon,W. 3676.
 Thone,F. 1740.
 Thoren,M.M. 3547, 897.
 Thornton,G.B. 240, 1467.
 Thrum,H. 5233.
 Thulin,T. 957.
 Thurischeva,M.S. 4720.
 Thurlbeck,W.M. 5017.
 Tiboni,O. 4753.
 Tice,R.R. 1276.
 Tichonenko,T.L. 4944.
 Tichonicky,L. 1283.
 Tichonravov,A.L. 4368.
 Tichy,P. 485.
 Tico,R. 1781.
 Tiedemann,H. 5452.
 Tiemeier,D. 7255.
 Tien Kuo,M. 2865.
 Tiepolo,L. 3239.
 Tiezzi,E. 6621.
 Tiffany,H.L. 6720.
 Tigges,M.A. 546, 3988, 4321.
 Tighlman,S. 5115.
 Tigranyan,R.A. 3070.
 Tikhonenko,T.I. 365, 1004, 2397, 2606, 2619, 2653, 4949, 5136, 6174, 6337, 7326.
 Tikhomirova-Sidorova,N.S. 20, 4066.
 Tikhomirova,L. 1684.
 Tikhomirova,L.P. 5591.
 Tilghman,S. 6234, 7255.
 Tilghman,S.M. 2666, 7283.
 Timakov,V.D. 4603.
 Timberlake,W.E. 3761, 3029, 3552.
 Timbury,M.C. 1007, 1018.
 Timko,J. 1168.
 Timkovsky,A.L. 3438, 4066.
 Timm,B. 6526.
 Timmermans,P.J.A. 5732.
 Timmis,J.K. 3707.
 Timmis,K.N. 484, 982, 2603, 3707, 3708.
 Timofeeva,M.Ya. 4994.
 Tinoco,I., Jr. 2930.
 Tiollais,P. 2751, 3862, 4448, 4462, 5258, 5498, 6173.
 Tippe-Schindler,R. 4376.
 Tippins,R.S. 1657.
 Tirado,R.G. 26.
 Tishchenko,L.I. 6493.
 Tisljar-Lentulis,G. 5557.
 Tissieres,A. 482, 6227.
 Titmas,R.C. 3420.
 Tizard,R. 480.
 Tjurina,G.P. 3222.
 Tlsty,T.D. 627.
 Tobek,I. 485.
 Tobias,C.A. 7164.
 Tobias,R.S. 5757.
 Tobiasz,C. 4896.
 Tobin,A.J. 3557, 3575, 4804, 4814.
 Tobin,E.M. 920.
 Tobler,H. 2976.
 Tocchini-Valentini,G.P. 1306.
 Tocchi,M.J. 7110.
 Toezko,K. 3879, 3966.
 Todaro,G.J. 4257, 4324.
 Todd,C.W. 5729.
 Todd,D. 5403.
 Todd,R.D. 5224.
 Todokoro,K. 1439.
 Todoroki,T. 1664.
 Todorov,I.N. 1672, 3687, 4368, 4913, 4915, 6499.
 Togashi,H. 4637.
 Tognon,M. 7111.
 Toha,J. 2448.
 Tohma,M. 1821.
 Tokarskaya,V.I. 435, 7440.
 Tokimatsu,H. 490.
 Tokuoka,R. 4054.
 Tolkachev,V.N. 2328.
 Tollefson,C.M. 2506.
 Tollon,Y. 6442.
 Tolstoshev,P. 5982.
 Tolun,A. 6768.
 Tomankova,H. 76.
 Tomarev,S.I. 4469.
 Tomas,J. 7223.
 Tomassini,J. 1717.
 Tomasz,A. 2163, 4460.
 Tomasz,J. 1963, 5741.
 Tomasz,M. 4285.
 Tomaszewski,J.E. 6108.
 Tomaszewski,M. 257, 3636.
 Tomi,H. 7346.
 Tomida,M. 2368, 4069.
 Tomihara,Y. 4653.
 Tomilin,N.V. 5038, 6383, 7141.
 Tomilova,V.M. 919.
 Tominaga,K. 2813.
 Tomisawa,S. 1185.
 Tomita,K. 174, 5727, 5734, 5779, 5787.
 Tomita,K.-I. 4054.
 Tomita,Y. 975, 7312.
 Tomlinson,B. 427.
 Tomoyeda,M. 2177.
 Tompson,J.G. 5826.
 Tomsons,V.P. 919, 5427, 5650.
 Tondeur,F. 5058.
 Tonegawa,S. 1331, 1625, 2667, 2744, 4997, 7089.
 Tonetti,H. 772.
 Tonew,E. 1346.
 Tonew,M. 1346, 3528, 3629, 5379.
 Tong,B.Y. 3710, 7030, 7032.
 Tooez,J. 7265.
 Topaloglou,A. 4405.
 Torelli,G. 5007.
 Torelli,U. 5007.
 Torgersen,D.M. 2720.
 Torii,K. 501, 2175.
 Torkkeli,T.K. 6008.
 Tornabene,T.G. 4731.
 Torosyan,M.V. 3177.
 Torrealba,B. 905.
 Torrence,P.F. 107, 1868, 2326, 2881, 4231.
 Torrigiani,P. 2403.
 Torsky,S.P. 3982.
 Tosi,C. 4160.
 Totolian,A.A. 7023, 7024.
 Totten,P.A. 2017.
 Toulme,F. 3664.
 Tournaud,R. 2771.
 Tournant,M.E. 6896.
 Toussaint,A. 1693.
 Towaj,J. 2416.
 Towbin,H. 802.
 Towle,H.C. 4794.
 Towns,R.L.R. 1755.
 Towns,L.B. 6585, 100, 699, 2913, 4630, 6611.
 Toyoda,H. 2876.
 Toyofuku,H. 4615.
 Toyoshima,K. 6775.
 Trachsel,H. 4133, 4710, 4752.
 Trager,L. 3483.
 Traiman,S. 74.
 Trainor,C.D. 7264.
 Trainor,K. 411.
 Trianello,S. 1891.
 Tranquilla,T. 80, 3218.
 Trapman,J. 5315.
 Trapy,G. 2979.
 Trara Genoino,I. 6444.
 Traub,P. 1529, 3789.
 Traugh,J.A. 1925, 4013, 6759.
 Traunecker,A. 4997.
 Traut,R.R. 2408, 2409, 3476, 4013.
 Trautner,T.A. 2601, 4381, 4945, 4957.
 Travers,A.A. 2789.
 Travers,R.S. 7241.
 Travo,C. 6599.
 Trayer,I.P. 3357.
 Treadwell,B.V. 1921, 934.
 Treloar,M.A. 813, 2417.
 Trench,R.K. 2511, 5390.
 Trendelenburg,M.F. 2489, 4044.
 Trenin,A.S. 962.
 Trent,D.W. 5381, 6784.
 Tretiakova,S.S. 2344.

- Tretjak, N.N. 286.
Treuner, J. 723.
Trevelyan, W.E. 4260.
Trewyn, R.W. 5265, 6596.
Trgovcevic, Z. 7143.
Trichtinger, T. 2821.
Triebe, H. 1568, 3084, 3089, 4946, 7039.
Trifonov, E.N. 5479.
Triger, D.R. 2829.
Trim, A.R.H. 2527.
Trimble, R.B. 478.
Triplett, J.W. 3417, 4031.
Tritsch, D. 800.
Tritsch, G.L. 66.
Tritton, T.R. 197, 809.
Trofimenko, A.F. 2679.
Trojan, S. 455.
Trojanowski, J. 5821, 1951.
Trosko, J.E. 2302, 2743, 3164.
Trousset, A. 6552, 7222, 7227, 7228.
Troxler, D.H. 5962.
Troyan, V.M. 6048.
Trudel, M. 6602.
True, R. 3962, 5208.
True, R.J. 5209, 5210.
Truels, E. 6374.
Truesdale, N.J. 6440.
Truman, D.E.S. 880, 936.
Trump, B.F. 2576, 5456.
Truscott, T.G. 6560.
Trust, T.J. 5507.
- Ts'O.P.O.P. 741, 2275, 5091, 7162.
- Tsai, C.H. 3034.
Tsai, M. 3588.
Tsai, M.-J. 483, 2490, 3519, 4203, 4362.
Tsai, S.C. 5813.
Tsai, S.Y. 2490, 3588.
Tsai, T. 2132.
Tsai, T.-H. 3825.
Tsanev, R. 2841, 4545.
Tsang, B.K. 5409.
Tsareva, A.A. 2739.
Tschudi, C. 4989.
Tse, C. 5973.
Tseitlin, P.I. 1768.
Tselikova, S.V. 3686.
Tseng, B.Y. 1638, 5932.
Tseng, W.-C. 5292.
Tschlis, P.N. 6358.
Tsimanis, A.Y. 1469.
Tsitilou, S.G. 3307.
Tsopanakis, A. 2816.
Tsopanakis, C. 2215, 2816.
Tsou, K.C. 3880, 5797.
Tsou, T.Y. 7383.
Tsuboi, M. 498, 737, 1394, 1708, 2271, 6594.
Tsubura, E. 2813.
Tsuda, M. 4816.
Tsugita, A. 642.
Tsui, H. 841.
Tsumimoto, T. 5733.
Tsumimoto, Y. 3721, 3767.
Tsujita, M. 5606.
Tsukada, K. 1710, 3887, 7317, 7392.
- Tsukagoshi, S. 5769.
Tsukamoto, K. 1070, 1126.
Tsurugi, K. 1439.
Tsuruo, T. 508, 5769.
Tsurusaki, T. 7438.
- Tsushima, K. 552, 1217.
Tsutsui, K. 2857.
Tsutsui, T. 960, 7162.
Tsutsui, Y. 581.
Tsutsumi-Majima, R. 2769.
Tsutsumi, K. 2769.
Tsvetkova, S. 2839.
Tsy Plenkov, P.V. 2254.
Tsypliyakovskaya, L.M. 7480.
Tu, C.-P.D. 4511.
Tuan, D. 5531.
Tucciarone, L.M. 2440.
Tucker, P.W. 4604, 4605, 5259, 5260.
Tucker, W.T. 2069.
Tuckova, E. 7114.
Tuhackova, Z. 4128.
Tumanova, L.G. 803.
Tumanyan, C.G. 5475.
Tumanyan, V.G. 977, 7008.
Tumerman, L. 4519, 4827.
Tunitskaya, V.A. 3415.
Turano, C. 3659.
Turchinsky, M.F. 215, 1429, 6751.
Turco, E. 205, 2420.
Turian, G. 3797.
Turkin, S.I. 731.
Turler, H. 3211, 6279.
Turnbough, C.L., Jr. 5836.
Turnbull, N.T. 1944.
Turner, J.H. 1784.
Turner, P.A. 916.
Turner, P.H. 7288.
Turpin, P.Y. 2066.
Tusciano, D. 4623.
Tuschmalova, N.A. 913.
Twardowski, T. 2392, 5831.
Twigg, A.J. 1685.
Twilt, J.C. 5353.
Tyaglov, B.V. 641.
Tychinskaya, L.Yu. 1338, 5799.
Tyler, E.T. 1551.
Tyndall, R. 2552.
Tyniec, B. 3879, 3966.
Tyrrell, D.A. 222.
Tyrrell, R.M. 1076, 3151, 5546, 7129, 7138.
Tyrsted, G. 3924.
Tzagoloff, A. 3119, 3763, 4356, 6219, 7278.
- Uchida, A. 1604.
Uchida, K. 5491.
Uchida, S. 7317.
Uchida, T. 505, 1769, 2172, 2182, 3932.
Uchino, H. 3154, 5549, 5561.
Uchiumi, T. 194.
Uchiyama, S. 6026.
Uda, J. 672.
Udell, D.S. 7280.
Udvardy, A. 3870.
Udvardy, J. 7311.
Ueda, K. 3.
Ueda, M. 3513.
- Ueda, N. 636.
Ueda, T. 60, 697, 1356, 1840, 1841, 2320, 2324, 4637.
Uematsu, T. 705.
Uemizu, Y. 5595, 7043.
Uemura, D. 4653.
Uemura, H. 141, 3440, 5647.
Uenaka, H. 6336.
Ueno, K. 6883.
Ueno, S. 2071, 6154.
Ueno, T. 714.
Ueno, Y. 2776.
Uesugi, S. 115, 136, 1376, 1843, 3414, 3426.
Uhlenbeck, O.C. 1234, 3929.
Uhlenhopp, E. 1037.
Uhlir, B.E. 2148.
Uhlmann, E. 123.
Ulanov, B.P. 6159.
Ulbrich, B. 2962.
Ulbrich, N. 1439, 3475.
Ullmann, A. 1540, 1880, 6853.
Ulrich, A. 3045.
Ullu, E. 408, 882, 888, 3563, 7284.
Ulman, I. 1756.
Ulmer, K.M. 6202, 6287.
Ulpino, L. 1992.
Ulrich, V. 1763.
Umansky, S.R. 435, 623, 7440.
Umeda, T. 1110.
Umeyama, H. 7314.
Umezawa, H. 3152.
Umezawa, I. 5043.
Undeman, O. 2055, 4897.
Unger, E. 1558.
Unger, S.H. 1342.
Unhjem, O. 728.
Unno, M. 1710.
Unsgaard, G. 2135, 2136.
Uozumi, T. 3705.
Upholt, W.B. 401.
Uphouse, L. 292.
Upper, C.D. 5176.
Upton, A.C. 3358.
Uramoto, M. 691.
Urano, M. 1664.
Urano, Y. 5985.
Urata, Y. 501, 2175.
Uray, Z. 2125.
Urban, K. 850.
Urbanek, R.W. 461, 462.
Urbanke, C. 4126.
Ureno, Y. 2777.
Uritani, I. 921.
Urlaub, G. 5116.
Urlings, C. 4969.
Urney, W.F. 671.
Urquiza, R.C.P. 2021.
Usami, C. 1217.
Usatenko, M.S. 2389.
Usaty, A.F. 3393.
Usher, D.A. 4657, 4658.
Ushioda, Y. 7197.
Ustav, M. 3486.
Ustav, M.B. 3533.
Ustyuzhanin, G.E. 20.
Utsumi, S. 5343.
Uzawa, J. 691.
Uziel, M. 2318.
- Vaccaro, C. 1222.
- Vacher, J. 6676.
Vaczi, L. 2696.
Vadi, H. 1562.
Vagena, A. 1362.
Vaisius, A.C. 3254, 4491.
Vaisman, I.Sh. 2257.
Vajda, M. 5742.
Val'ekho-Roman, K.M. 5535.
Valand, E. 5721.
Valdevit, E. 6136.
Valencia, J.I. 6339.
Valencia, R. 6506.
Valensin, G. 6621.
Valenta, P. 5003.
Valentine, R.C. 5248.
Valentino, A. 2713.
- Valenzuela-Calahorra, C. 6566, 6565.
Valenzuela, D. 5147.
Valenzuela, M.S. 3113.
Valenzuela, P. 172, 1396, 3255.
Valkanov, M.A. 1728.
Valkovich, A.A. 3959.
Valla, S. 1517.
Vallade, J. 324.
Vallee, B.L. 1992.
Valovich, V.M. 3964.
Valu, G. 875.
Valukaite, R.V. 3884.
Vamvakopoulos, N.C. 6928.
van Aghoven, A. 4111.
van Arkel, G.A. 7081.
van Bellegem, H. 4098, 5436.
van Beuningen, D. 4585.
van Beveren, C.P. 5618, 6274, 7100, 6398.
van Blerkom, J. 6038.
van Boom, J.H. 133, 732, 4661, 130, 2363, 2372.
van Bruggen, E.F.J. 1042, 2651, 2652, 6321.
van Buskirk, J.J. 1903.
van Charldorp, R. 1450.
van de Putte, P. 1123, 6855.
van de Sande, J.H. 4937, 1785, 2049, 4670, 4926.
van de Ven, W.J.M. 2003.
van de Voorde, A. 4959, 4958.
Van de Vorst, A. 2047, 2700, 3062, 6112.
van Deemter, L. 6820.
van den Berg, J. 1624, 2560.
- van den Elsen, P.J. 826.
van den Hondel, C.A.M.J.J. 7081.
Van Der Burg, M.P.M. 4486.
van der Eb, A.J. 6171, 2985, 4453.
Van Der Ende, A. 1042, 843.
van der Hofstad, G.A.J.M. 4117, 825, 826.
Van der Horst, G. 7076.
Van Der Laken, K. 5908.
Van Der Lijn, P. 6618.
van der Marel, G. 2363.
van der Meulen, N. 290.
van der Noordaa, J. 4453.
van der Plas, H.C. 1808.
van der Putte, M.J.A. 789.
van der Vliet, P.C. 4510.

- van der Westhuijzen, D.R. 3893.
- Van Der Weyden, M.B. 560.
- Van Dieijen, G. 3494, 4117.
- Van Diggelen, O.P. 5735.
- Van Dilla, M.A. 5229.
- van Dorp, B. 5538, 1197.
- Van Duin, J. 3494, 4130, 5353.
- van Embden, J.D.A. 2886, 3874.
- van Emmelo, J. 7249, 7250.
- Van Eiten, J.L. 4847, 5858, 5927, 6403.
- Van Gansen, P. 6042.
- Van Goethem, G. 7102.
- Van Gool, A.P. 2265.
- van Hemmen, J.J. 3074.
- Van Heuverswyn, H. 4958, 5506, 6791.
- Van Holde, K.E. 612, 5211, 6492.
- Van Houwe, G. 3018.
- Van Kammen, A. 3904, 3267, 3342, 3595.
- Van Knippenberg, P.H. 1450, 5908, 1451.
- Van Kreijl, C.F. 3118.
- van Lier, J.E. 1849, 4050.
- van Maarschalkerweerd, M.W. 6175.
- van Meeteren, A. 1123.
- van Minderhout, L. 1653.
- Van Montagu, M. 1132, 2151, 2749, 5096, 5714, 7029.
- Van Ness, B.G. 2968.
- Van Ness, J. 1493, 6507.
- Van Nostrand, F. 1863.
- Van Oostveldt, P. 7102.
- van Ooyen, A. 1624.
- Van Ormondt, H. 5618, 6171.
- Van Oortmerssen, E.A.C. 892.
- Van Parijs, R. 2677, 3138, 7102.
- Van Prooijen, W. 3494.
- Van Roy, F. 3726.
- Van Steenberghe, T.J.M. 4963.
- Van Tan, H. 3469.
- Van Tol, R.G.L. 6064.
- Van Touw, J.H. 3742.
- Van Tuyle, G.C. 3831, 6241.
- Van Venrooi, W.J. 831, 2536, 2948, 1332, 1534, 5435.
- van Vliet, F. 5714, 2151.
- Van Vloten-Doting, L. 2532, 3647, 6064.
- Van Vuuren, C.P. 2327.
- van Wezenbeek, P. 6155.
- Van Wielink, P.S. 7469.
- Van Zaane, D. 4606.
- Van, N.T. 2464.
- Van't Hof, J. 7220.
- Vande Woude, G.F. 1930, 2038, 5092.
- Vanderkooij, J.M. 4629.
- Van Der Lijn, P. 117, 126.
- Vandre, D. 4912.
- Vanek, T. 92.
- Vanyushin, B.F. 414, 1057, 1073, 1099, 1102, 1603, 1675, 3995, 5069, 5246, 6146, 6259, 6888.
- Vapnek, D. 4449, 5603, 6850, 7038.
- Vaquero, C.M. 932.
- Varady, G. 3413.
- Varenne, S. 787, 2959.
- Varga, L. 4406.
- Varian, A. 4825.
- Varich, N.L. 898, 6827.
- Varmus, H.E. 670, 946, 1010, 1471, 2623, 3863, 3864, 4258, 4454, 5228, 5378, 6904, 7057.
- Varnier, O.E. 6830.
- Varrone, S. 3310.
- Varshaver, N.B. 3408.
- Varshavsky, A.J. 635, 1333, 3751.
- Varshavsky, Ya.M. 144, 4884, 6099, 7009.
- Vartanyan, L.P. 439.
- Vartapetian, A.B. 7470.
- Vartikar, J. 2542.
- Vartikyan, R.M. 978.
- Vasil'eva, S.V. 7140.
- Vasilenko, S.K. 165, 994, 5173.
- Vasilescu, D. 6129.
- Vasilieva, A.P. 4216, 6862.
- Vasiliev, V.D. 4178.
- Vasilieva, M.B. 2814.
- Vasquez, C. 845.
- Vass, W.C. 3630.
- Vassalli, J.-D. 4817.
- Vassart, G. 2507, 3592, 6009, 7203.
- Vasseur, J. 3624.
- Vassilenko, S. 1931.
- Vastell, J.V. 3339.
- Vasu, S. 6384, 6385.
- Vater, W. 1558.
- Vaughan, M. 4925.
- Vaughan, M.H. 216.
- Vazquez, D. 1913, 3484, 3501, 4727, 4730, 4744, 5879, 6715, 6743.
- Vecchio, G. 6044.
- Vedaldi, D. 340, 1561, 4890, 4892.
- Vedel, M. 2376.
- Veiko, N.N. 5299.
- Veiko, V.P. 731, 3422, 4662.
- Velcich, A. 4887.
- Veleminsky, J. 3359.
- Veltkamp, E. 4372.
- Venanzi, F. 6095.
- Venema, G. 2762.
- Venetianer, P. 1714, 3870, 4974.
- Vengerov, Y. 981.
- Venier, G. 2863.
- Venis, M.A. 3577.
- Veniaminova, A.G. 5173.
- Venkatesan, S. 3633.
- Venkov, P.V. 3555, 4216, 6862.
- Venkstern, T.V. 768, 3457, 5327, 5980.
- Vento, R. 2210.
- Venjaminov, S.Yu. 803.
- Vera, N. 3839.
- Verbeet, M.P. 4350.
- Verdegaal, C.H.M. 732.
- Verdier, G. 5391, 5392.
- Verdini, S. 4538.
- Verduin, B.J.M. 6912.
- Veres Molnar, Z. 3105.
- Verevkina, K.N. 919.
- Vergne, J. 6482.
- Verheyden, P.H. 4627.
- Verkin, B.I. 38.
- Verkley, F.N. 942.
- Verma, A.K. 6294.
- Verma, D.P.S. 2169, 6811.
- Verma, I.M. 4955, 5373.
- Verney, E. 281, 5357.
- Verschoor, G.C. 2345.
- Vertes, M. 5026.
- Vertes, Z. 5026.
- Verver, J.W.G. 3267.
- Vervoort, A. 4871.
- Veselkov, A.N. 3690.
- Veselovskaya, T.V. 6416, 7345.
- Vethamany-Globus, S. 427.
- Veveris, A.Y. 2305.
- Veza, A.C. 6823.
- Vibber, S.D. 2096.
- Vicente, M. 2697.
- Vician, L. 5863.
- Victorova, L.S. 5895, 4029.
- Vidal-Rioja, L. 6237.
- Vidali, G. 606, 600, 1259.
- Vidaver, A.K. 6403.
- Viegas-Pequignot, E. 7163.
- Viel, C. 773.
- Vig, B.K. 4607.
- Vigier, P. 3868.
- Vigne, R. 869, 5964.
- Vilcek, J. 2303.
- Villa-Komaroff, L. 480, 1700.
- Villa, J.F. 686, 5304.
- Villa, N. 4424.
- Villani, G. 5719.
- Villarejos, V.M. 1752.
- Villarreal, L.P. 2992.
- Villarreal, R. 5714.
- Villems, R.L.E. 3533.
- Villems, R. 3486, 5488.
- Villeponteaux, B. 2844.
- Vilner, L.M. 4066.
- Vince, R. 70, 819, 1826, 4106, 6642, 6712.
- Vincent, A. 7415.
- Vincent, P.C. 1790.
- Vincent, R.A., Jr. 7166.
- Vincent, R.D. 3876.
- Vincent, W.S., III 6800.
- Vinetsky, Y.P. 1122.
- Vinicombe, D.A. 1077.
- Vinogradov, S.V. 5795.
- Vinogradova, N.A. 3810.
- Vinogradova, V.V. 3300.
- Vinokurov, L.M. 1452.
- Vinson, D. 5645, 6447.
- Vinter, V.G. 3044, 5134, 5616.
- Vinuela, E. 3709.
- Viola-Magni, M.P. 410.
- Viola, M.V. 5440.
- Virmani, M. 7047.
- Visona, K.A. 1752.
- Viswamitra, M.A. 151, 1381, 5788.
- Vitek, A. 1933, 5371.
- Vithayathil, P.J. 499.
- Vitturi, R. 2863.
- Viviani, A. 2577.
- Vizard, D.L. 240, 1467, 3283, 976.
- Vladimirov, V.G. 3833.
- Vladimirova, A.D. 2437.
- Vladutiu, A.O. 5652.
- Vlak, J.M. 7055.
- Vlasik, T.N. 2969, 3338.
- Vlasov, V.V. 1207.
- Vlasova, T.D. 6937.
- Vlassov, V.V. 2374, 2381, 3462.
- Vliegenthart, J.F.G. 1154.
- Vodicka, I. 2731.
- Vodolazskaya, N.A. 3312.
- Vogel, S.J. 5269.
- Vogel, T. 2634.
- Vogelsberg, C. 6236.
- Vogelstein, B. 3058.
- Vogt, P.K. 1011, 4164, 4777, 5607, 5684, 6785.
- Voigt, B. 1957.
- Vola, C. 6726.
- Volcani, B.E. 531.
- Volchenskova, I.I. 5762.
- Volckaert, G. 5505.
- Vold, B.S. 578, 7401.
- Volkenstein, M.V. 3668, 5241.
- Volk, E. 2925.
- Volk, W. 7311.
- Volkov, S.N. 6121.
- Volkova, L.I. 6953.
- Volkova, T.I. 5127.
- Volkova, T.M. 4844.
- Volkova, Z.J. 3836.
- Vollenweider, H.J. 376, 1948.
- Volloch, V.Z. 4519, 4827.
- Vollwiler, L.L. 1093.
- Volm, M. 6039.
- Volny, D. 1933, 5371.
- Vologodskii, A.V. 3697, 6138.
- Volovitch, M. 390.
- Volpe, P. 3135, 6267.
- Volz, E. 5307.
- Von Der Decken, A.A. 1894, 2200, 4484, 1515.
- von der Haar, F. 2391, 183, 776.
- von Gabain, A. 3892.
- von Heijne, G. 4581.
- von Hippel, P.H. 4266, 1290, 1291, 4104.
- Von Holt, C. 1761.
- von Hoyningen, V. 5377.
- von Lawewitsch, I. 2126.
- Von Meyenburg, K. 3757.
- Von Mickwitz, C.-U. 7450, 7420.
- Von Sonntag, C. 5791, 1143.
- Vonka, V. 6420, 7114.
- Voordouw, G. 984.
- Voorma, H.O. 825, 826, 4751.
- Vora, A.C. 1289.
- Vorbruggen, H. 3395.
- Vork, F. 2682.
- Vork, G.P. 5575.
- Vorkunova, G.K. 3290, 5657.
- Vorkunova, N.K. 5657, 5678.
- Vorlickova, M. 6495.
- Vorndam, V. 6784.
- Vornovitskaya, G.I. 444, 2330, 5773.
- Vorob'ev, V.I. 2183, 2657.

- 3117, 3121, 3968, 5668.
Voroobjev, Y.N. 4076.
Voroobjeva, L.I. 5072.
Voroobjeva, L.I. 3930.
Voronin, V.G. 675.
Voronina, A.S. 4608.
Vorontsov, N.N. 4994.
Vorontsova, O.V. 5478.
Vosika, G.J. 5983.
Voss, E.W., Jr. 3938, 3935.
Votavova, H. 3781.
Votrin, I.I. 5120, 5121, 6040.
Vournakis, J.N. 170.
Vovis, G.F. 3241, 5450, 5493, 6355.
Vreman, H.J. 51.
Vrints, R. 6914.
Vuchich, M., Jr. 3839.
Vuust, J. 6070.
Vyazov, S.S. 2739.
- Waalwijk, C. 513, 2669.
Wachtel, E.J. 3302.
Wackernagel, W. 7393.
Wada, A. 2071, 6148, 6154.
Wade-Jardetzky, N. 4569.
Wade, M.H. 7169.
Wadeleux, P.A. 6074.
Wadskov, S. 3786.
Wadsworth, S.C. 4303.
Wagner, E.F. 3275.
Wagner, E.K. 1487, 5376, 6781.
Wagner, G.E. 5266.
Wagner, J.A. 3722.
Wagner, K.G. 5471.
Wagner, M. 1549.
Wagner, R. 1466, 5969.
Wagner, R.R. 528, 3268, 4819, 6045, 6411.
Wagner, T.E. 1776.
Wahba, A.J. 1432.
Wahl, G. 3443.
Wahl, G.M. 3038, 6945.
Wahl, P. 3693.
Wahli, W. 4361, 5113, 6546.
Wahrman, M.Z. 5656.
Wai Kan, Y. 2476, 5984.
Wain, W.H. 5736.
Wais, R. 4366.
Waite, M.R.F. 6702.
Wakabayashi, T. 134, 141, 1871.
Wakabayashi, Y. 3181, 3649, 5578.
Wakahara, A. 174.
Wakamiya, T. 4961.
Wake, C.T. 6361.
Wakelin, L.P.G. 2050.
Wakizaka, A. 5738.
Walach, N. 3806.
Walbot, V. 2063.
Waldeck, W. 1012, 3969.
Waldstein, E.A. 7142, 7303.
Wali, T. 386.
Walker, D.H., Jr. 5494.
Walker, D.L. 3740.
Walker, G.C. 3206, 4023, 5634.
Walker, G.K. 3313.
Walker, I.G. 3169.
- Walker, I.O. 601.
Walker, J. 6451.
Walker, J.T. 5494.
Walker, M.D. 542.
Walker, M.J. 785.
Walker, P.J. 1946.
Walker, R.T. 102, 703, 1834, 6567, 6600, 6635, 6636.
Walker, S.E. 579, 2830.
Walkinshaw, M.D. 1181.
Wall, R. 1142, 3790, 4997.
Wallace, R.B. 2851, 6243, 7033.
Wallace, S.S. 1163.
Wallach, D. 5421.
Wallack, A.S. 3984.
Waller, J.-P. 772, 773, 5334.
Wallis, C. 6574.
Walsh, C. 5389.
Walsh, J. 943.
Walter, A. 7039.
Walter, F. 7039.
Walter, J.F. 2708.
Walter, Z. 436.
Walther, B.J. 4141.
Walton, T.E. 4165.
Walz, A. 3217.
Walz, F.G., Jr. 1159, 5615, 6393.
Wan, C.-W. 6603.
- Wang, A.H.-J. 2363, 6640.
Wang, A.S. 5669.
Wang, C.-C. 2952, 3493, 4107.
Wang, D. 2184, 7313.
Wang, J.C. 336, 643, 1293, 1747, 3086, 5472, 7003.
Wang, L.-H. 1738, 3107.
Wang, S. 3011.
Wang, S.-Y. 1812, 2332.
Wang, T.-C.V. 5548.
Wang, T.-S.-F. 7373.
Wang, T.-V. 6990.
Wang, T.-Y. 6013.
Wang, Y. 1831.
Wani, A.A. 2783.
Wanka, F. 1851, 3295.
Wantzin, G.L. 5790.
Warburton, D. 1505, 6508.
Ward, D.C. 7053.
Ward, J.F. 1350, 1569.
Ward, J.M. 474.
Waring, M.J. 333, 2050.
Warner, A.H. 121.
Warner, C.M. 2506.
Warner, H.R. 4397, 7384.
Warner, J.R. 3467, 4013, 4832.
Warner, R.C. 1487, 4938.
Warnhoff, M. 5452.
Warnke, Z. 4651.
Warrant, R.W. 756, 757.
Warren, G.J. 1685.
Warren, J.R. 2573.
Warren, R.L. 4307.
Warren, W. 1566, 7178.
Warshel, A. 369.
Wartell, R.M. 2570.
Warters, R.L. 6999.
Wasa, T. 672.
Washino, K. 6989.
Wasicek, C.A. 7407.
- Wassarman, P.M. 3315, 3332.
Wasyluk, B. 624, 5201.
- Watanabe, A. 468.
Watanabe, E. 4876, 5473.
Watanabe, I. 4653, 6701, 6774.
Watanabe, K. 168, 171, 1873, 3374, 4680.
Watanabe, K.A. 702, 4635, 5770.
Watanabe, M. 673, 4634, 6586.
Watanabe, N. 4625.
Watanabe, S. 614, 5451.
Watanabe, T. 1146, 1147, 7147.
Watanabe, Y. 1178, 1779, 1918, 5419, 5892, 7464.
Wataya, Y. 576, 2219.
Waterbury, J.B. 6199.
Waterman, M.S. 5943.
Waters, J.M. 5785.
Waters, R. 2022, 3820, 7169, 7181.
Waterson, J.R. 1629.
Waterworth, H.E. 6896.
Watkins, D. 5569.
Watkins, D.K. 5013.
Watson, D.C. 3306, 3946.
Watson, G. 3643.
Watson, J.I. 3937.
Watson, J.V. 2492, 2733.
Watson, K.F. 5369, 7364.
Watson, N. 3023.
Watson, R.J. 5950, 6362.
Watts, J.W. 2527.
Watts, R.W. 1419.
Wawra, E. 6305.
Weatherall, D.J. 1896, 6248.
Weaver, J. 4285.
Weaver, R.E. 2646.
Weaver, R.F. 4332.
Weaver, S. 4998.
Webb, A.C. 5536.
Webb, D.A. 948.
Webb, N.L. 3441.
Webb, R.B. 1076.
Webb, T.E. 2001, 6110.
Weber, D. 3286.
Weber, G. 4082.
Weber, H. 1948, 2089, 5080.
Weber, H.W. 4798.
Weber, J. 1935, 2621, 4805.
Weber, K. 4569.
Weber, L.A. 310.
Weber, M.M. 3554.
Weber, R. 3587, 4361, 5113.
Webster, A.D.B. 5164.
Webster, R.E. 4234.
Webster, R.G. 5261.
Wechsler, J.A. 5568.
Weck, P.K. 288, 4254, 4819, 6045, 6411.
Wee, V.T. 7418.
Weeks, D.P. 2535.
Wege, H. 1473.
Wegner, A. 2393.
Wegnez, M. 3125, 3942.
Wegrzyn, R.J. 2526.
Wehnert, M. 3185.
Weichsel, M.E., Jr. 5545.
Weichselbaum, R.R. 4408.
Weide, C.M. 6800.
Weidemann, M.J. 1141.
- Weidinger, G. 5078, 7020.
Weidoff, P.M., Jr. 5415.
Weigle, W.O. 3191.
Weijers, P.J. 4351, 4372.
Weik, R.R. 838.
Weil, G. 2208.
Weil, H. 2386, 2938, 4081, 5336, 7291.
Weil, P.A. 7358.
Weiler, L. 813, 2417.
Weinand, U. 6375.
Weinberg, Z. 384.
Weinberg, Z. 1595, 3806.
Weinberg, E.S. 6066.
Weinberg, R.A. 2157, 3210, 3741, 5960.
Weinberger, M. 4928, 6510.
Weiner, A.J. 900, 3403.
Weiner, J.H. 1137.
Weinfeld, H. 3898.
Weinmann, R. 4867.
Weinstein, I.B. 348, 2575, 4894, 4896, 6972.
Weinstein, J.A. 830.
Weinstock, G.M. 3344, 6539.
Weintraub, B.D. 3049.
Weintraub, H. 1129, 3952, 4550.
Weinzweig, M. 5063.
Weir, G. 963.
Weis, P. 305.
Weisbeck, P.J. 4316.
Weisberg, R. 995.
Weisberg, R.A. 4447.
Weisblum, B. 4787, 7022.
Weisbrod, S. 4550.
Weisbuch, G. 5808.
Weischet, W.O. 5211.
Weiser, K. 5837.
Weisman-Shomer, P. 1795, 5579.
Weiss, B. 509.
Weiss, C.J. 4629.
Weiss, D. 6712.
Weiss, E. 3956.
Weiss, R. 4063.
Weiss, R.A. 7087.
Weiss, S.B. 954, 4235, 5464, 6106, 7134.
Weiss, S.R. 1471, 3045.
Weissbach, A. 1737, 2692, 4818.
Weissbach, H. 934, 1444, 1921, 5089, 6674.
Weissenbach, J. 783.
Weissuhm, I. 5594.
Weissman, C. 4131.
Weissman, S.M. 1700, 1942, 3546, 4779.
Weissmann, C. 248, 1124, 1624, 2089, 5080, 5907, 7265.
Weisz, C. 3454.
Weisz, H. 3180.
Weith, H.L. 4058.
Welch, S.L. 3948.
Welder, L. 4789.
Welfle, H. 199, 4013, 4112.
Welker, D.L. 5550, 5551.
Wellauer, P.K. 3769, 3770, 5004.
Wellman, A.M. 3375.

- Wells.B. 5878.
Wells.J.R.E. 4993.
Wells.R.D. 4937, 5803, 6134,
6141, 6143, 6144, 6165,
6166, 6349, 6364.
Welsch.C.W. 431, 1093.
Wengler.G. 1947, 6910.
Weniger.P. 6305.
Wenk.M.L. 4470.
Wennogle.L.P. 1385.
Wensink.P.C. 1621, 2746.
Wenske.G. 290.
Werbin.H. 4552.
Werenne.J. 6900.
Werkheiser.W.C. 52.
Werner-Schlenzka.H. 2995.
Werner.E. 2995.
Werner.G.T. 723.
Werner.J. 1679.
Werner.M.M. 2112, 3158.
Werner.R.G. 1416.
Wertheim.P. 4453.
Wertz.G.W. 4253.
Wertzberger.R. 1084.
Weser.U. 2475.
Wesolowski.M. 4982.
Wessels.J.G.H. 7077.
West.D.K. 2964, 5631.
West.M.H.P. 618.
West.R.W. 3850, 7027.
Westaway.D. 2560.
Westbrook.K. 6702.
Westergaard.O. 1968, 2215,
5411.
Westerhuis.L.W. 937.
Westermann.P. 4723.
Weston.A. 5588, 6345.
Westoo.A. 4943.
Westphal.H. 1945.
Wettenhall.R.E.H. 6709.
Wettstein.F.O. 6360.
Wetzel.R. 1881, 5322.
Weymouth.L. 588.
Weymouth.L.A. 6435.
Whalen.R.E. 1263.
Whatley.S. 917.
Wheeler.L.L. 3975.
Wheeler.T. 1530.
Whelan.R.D.H. 487, 917.
Wheldrake.J.F. 1419.
Whish.W.J.D. 114.
White.A.E. 7453.
White.B.N. 2815, 4677, 5670.
White.C. 577.
White.C.N. 4230, 4672.
White.F. 4933.
White.F.G. 473, 7292.
White.J.L. 1188, 1964, 4198,
4492.
White.J.R. 339, 592.
White.P.A. 3623.
White.R.A. 2015.
White.R.T. 2992.
White.T.T. 2771.
Whitechurch.O. 6196.
Whitehead.V.M. 3839.
Whitehouse.R. 1965.
Whiteley.H.R. 521, 3606, 6405.
Whitfield.P.R. 3792, 4100.
Whitfield.P.R. 1962.
Whitley.R.J. 3360.
Whitlock.J.P.Jr. 597, 6498.
Whittaker.J.J. 1407.
Whittaker.J.R. 3620.
Whittaker.R.G. 6490.
Whittle.W.L. 2119.
Wiaderkiewicz.R. 436.
Wiart.J. 3188, 7199.
Wibo.M. 212.
Wichert.P.v. 5463.
Wick.R. 7193.
Wickens.M.P. 6142.
Wicker.R. 5154.
Wickner.R.B. 6553, 283, 1697.
Wickner.S.H. 6554.
Wickremasinghe.R.G. 7218.
Widelitz.M.M. 4735.
Wideroe.R. 4017.
Widholm.J.M. 4846, 2180.
Wiebauer.K. 3460.
Wiebers.J.L. 2593, 6130.
Wieczorek.M. 7305.
Wieland.T. 7111.
Wienand.U. 4761, 6767.
Wienen.B. 6712.
Wieringa.B. 843, 5434.
Wieser.P.B. 6595.
Wiewirowski.M. 72, 18, 67,
2392, 5272, 5831.
Wigdahl.B.L. 715, 1213.
Wiggins.T.L.III 2440.
Wiggs.J.L. 5623.
Wightman.R.H. 5751.
Wigler.M. 5116.
Wigley.C.B. 6982.
Wigmore.D.J. 2860.
Wijffelman.C. 1123.
Wilcox.G. 1026.
Wilczek.J. 2008.
Wild.J. 7272.
Wild.M.A. 4347.
Wild.P. 1550.
Wild.T.F. 6905.
Wild.U. 6662.
Wildenhoff.K.E. 6608.
Wildman.S.G. 3657.
Wildy.P. 4644.
Wilhelm.F.X. 5215, 3696,
6501.
Wilhelm.J.M. 5338.
Wilhelm.M. 5215.
Wilhelm.M.L. 6501.
Wilkes.P.R. 2516, 4838.
Wilkie.D. 6574.
Wilkie.N.M. 1006, 1007, 1008,
1018.
Wilkins.B.M. 6288.
Wilkins.R.J. 334.
Wilkinson.C.E. 936.
Wilkinson.C.F. 2781, 3894, 4487.
Wilkinson.C.R. 4690.
Wilkinson.P. 2557.
Wille-Hazeleger.G. 133, 4661.
Wille.G. 732.
Wille.J.J. 7436.
Willecke.K. 4468, 5232.
Willems.J. 2023.
Willems.M. 5434.
Willershausen.B.S. 2014.
Willets.N. 3856.
Willets.N.S. 3712.
Williams.B.G. 3859.
Williams.B.R.G. 3436, 4672,
4850.
Williams.D.C. 2143, 2879.
Williams.D.J. 1908, 5344.
Williams.D.L. 2354, 3011.
Williams.E. 7152.
Williams.G.H. 2773.
Williams.G.J.B. 676.
Williams.G.M. 1662, 6306.
Williams.J. 2620.
Williams.J.B. 1037.
Williams.J.G. 1554, 2972,
5485, 5925.
Williams.J.I. 3147, 6286.
Williams.J.L. 3003, 4507.
Williams.K.R. 1286, 7457,
7458.
Williams.L.S. 6856.
Williams.M.V. 6443.
Williams.R. 7361.
Williams.R.C. 6518.
Williams.R.E. 584, 3132, 3133,
4802.
Williams.R.J.P. 110.
Williams.R.O. 4500.
Williams.S.C. 235, 4500.
Williamson.D.H. 2684.
Williamson.J.H. 901.
Williamson.R. 880, 936, 1628,
2027, 2560, 3783, 6181,
6247.
Williamson.V. 2196.
Williamson.V.M. 7339.
Willick.G.E. 584, 1904, 5244,
6528.
Willms.R.O. 235.
Willingham.M. 667.
Willoughby.D.A. 4431.
Wilmanns.W. 460.
Wilson.A.C. 5002.
Wilson.B.A. 422.
Wilson.B.W. 5415.
Wilson.C.B. 323.
Wilson.C.M. 500.
Wilson.C.R. 2017.
Wilson.D.B. 4764.
Wilson.F.E. 4987.
Wilson.G. 4453.
Wilson.G.A. 479, 1690, 3238.
Wilson.G.G. 7258.
Wilson.G.N. 1629.
Wilson.J.H. 3846, 6361, 7018.
Wilson.J.T. 1700.
Wilson.L.B. 1700.
Wilson.M.C. 3623, 4319.
Wilson.R.G. 520.
Wilson.R.W. 6168.
Wilson.S.H. 6430.
Wilson.T.M.A. 1527.
Wilson.W.D. 969, 4282, 7093.
Wilt.F.H. 3908.
Wiltmann.H.G. 651.
Wilton.S. 7356.
Wimmer.E. 856, 1475, 1797,
2272, 2875, 4169, 4859,
6786.
Wimpee.C.F. 5534.
Winand.R.J. 6074.
Winchurch.R.A. 6388.
Windass.J.D. 6351.
Windler.G. 1781.
Winfield.J.B. 3286.
Winick.M. 6734.
Winkler.F.K. 2463.
Winnacker.E.-L. 1334.
Winocour.E. 4193.
Winsor.B. 7351.
Winston.C. 652.
Winter.G. 853.
Winter.W.J., Jr. 1357.
Winterhoff.U. 6382.
Vise.D.S. 100, 6585.
Wise.G.E. 302.
Wiseman.A. 3182.
Wist.E. 728, 4428, 5049, 5637.
Wistanley.M.A. 3357.
Witham.F.H. 1575, 5276.
Witiak.D.T. 6977, 7156.
Witkiewicz.H. 3196.
Witkin.S.S. 1735, 2205, 3288,
4499, 6431.
Witkowski.J.T. 1353, 1371,
4034.
Witmer.H. 1643.
Witte.I. 5612.
Wittek.R. 1015, 2636, 5501.
Wittekind.C. 2115.
Wittig.B. 1724, 7282.
Wittig.S. 1724, 7282.
Wittinghofer.A. 4745, 5360.
Wittmann-Liebold.B. 1761,
3481, 5347, 800, 3480, 5867,
5880, 5912.
Wittmann.H.G. 6544, 2961.
Witz.J. 1302.
Wivel.N.A. 6941.
Wlodarczyk.M. 986, 4380.
Wodnar-Filipowicz.A. 4242.
Wodzinski.S.F. 1100.
Wogan.G.N. 3680, 4270, 5456.
Wohlhueter.R.M. 4622, 6606.
Wohlleben.W. 4931.
Wohlrab.F. 2821.
Wolberg.G. 1847, 4640.
Wold.B.J. 304.
Wold.M. 3706.
Wold.W.S.M. 2756, 3361,
3725, 4322, 5005.
Woldringh.C.L. 1273.
Wolf.H. 1914, 3017, 4729.
Wolf.K. 2655, 5515.
Wolf.R. 7193.
Wolf.S. 7453.
Wolfson.V.G. 2657, 3117,
3121.
Wolgemuth.D.J. 4262.
Wollenberger.A. 2519.
Wollgiehn.R. 514, 1961.
Wolowiec.S. 5784.
Wolpert.W. 3483.
Wolstenholme.D.R. 3759,
6857.
Womble.D.D. 3808, 4413.
Wondrack.L.M. 1237.
Wong-Staal.F. 4868.
Wong.J.L. 1803.
Wong.K.-P. 807, 1425, 2466,
4109, 5876, 6730, 6731.
Wong.M.L. 2252.
Wong.N.T.N. 1793.
Wong.T.C. 2231.
Wong.T.K. 1268.

- Wong,T.W. 4683.
Wong,Y.-C. 5222.
- Woo,K.B. 6934.
Woo,N.H. 4923, 6663.
Woo,S.L.C. 402, 483, 3772, 4362, 4467, 5520.
Wood,G.W. 1827.
Wood,J. 6647.
Wood,R.J. 320.
Wood,W.G. 1896.
Woodcock,D.M. 5765.
Woodhead,A.D. 2113, 4908.
Woodrow,G.V., III. 4629.
Woods,W.G. 5983.
Woodson,B. 6424.
Woodward,D.J. 1673.
Woodward,J.M. 3237.
Woodworth Gutai,M. 3749, 3750.
Wool,I.G. 812, 1439, 2826, 3475, 5882.
Wool,J.G. 4013.
Woolery,W.A. 5187.
Woolford,J.L., Jr. 5368.
Wooten,R.S. 6577.
Worah,D.M. 1305.
Worcel,A. 2252.
Work,T.S. 5530.
Wortman,M. 2350.
Wortmann,R.L. 5284.
Wosnick,M.A. 2815, 4677.
Wouters,D. 2247.
Wouters,J. 7308, 7309.
Wower,J.M. 4684.
Wozney,J. 1698, 6371.
Wozniak,M. 3273.
Wrede,P. 6663.
Wreschner,D.H. 2530, 2947, 5362.
Wright,A. 7340.
Wright,B.E. 943.
Wright,E.B. 602, 4547.
Wright,J.A. 3278.
Wright,J.W. 5521.
Wright,M. 6442.
Wu Thy Fan 6456.
Wu,A. 1741, 3269.
Wu,A.M. 1485.
Wu,B.-Y. 5847.
Wu,C. 5221, 5222.
Wu,C.-W. 1288, 2269.
Wu,J. 3473.
Wu,J.-R. 1058, 6240, 6243.
Wu,J.C. 3784.
Wu,J.M. 2970, 4233.
Wu,K. 1717.
Wu,M. 1299, 2875, 7472.
Wu,R. 1335, 2074, 3728, 4323, 4511, 5617, 5720.
Wu,Y.-S. 1665.
Wunderli,W. 5380.
Wunderlich,D.A. 5580.
Wunderlich,F. 6050, 6540.
Wunderlich,V. 1206.
Wurmbach,P. 5909.
Wurst,R.M. 170.
Wurtman,R.J. 189.
Wurtz,E.A. 4650.
Wurtz,M. 827.
Wurtz,T. 484, 2504, 3012, 3128.
- Wyatt,S.D. 4820.
Wylar,B. 2636.
Wylar,R. 1015, 5320, 5501.
Wyler,T. 4361, 5113, 5510.
Wynter,C.V.A. 4834.
Wyrzykiewicz,E. 2310.
Wystup,G. 6717.
Wyvil,P. 3914.
- Yabuki,S. 6148.
Yada,T. 2709, 6312.
Yaffe,D. 941.
Yaffe,E. 3613.
Yaffe,L. 2444.
Yager,J.D., Jr. 3168, 4902.
Yagi,H. 1090, 7181.
Yaguchi,M. 1904, 4108, 4116.
Yagura,T. 1180.
Yajima,T. 3088.
Yakolev,G.I. 3885.
Yakovlev,V.N. 4196.
Yakubov,L.Z. 3091.
Yakura,K. 5665.
Yamada,A. 2064.
Yamada,H. 1885, 2387, 3363, 3685, 4609.
Yamada,K. 358, 688, 1247.
Yamada,K.M. 6918.
Yamada,M. 539, 1736, 1867, 4503, 5563.
Yamada,M.-A. 2271, 5606.
Yamada,M.O. 4113.
Yamada,T. 2961.
Yamada,Y. 4305, 6161.
Yamagata,Y. 4054, 5787.
Yamagishi,T. 7201.
Yamaguchi,K. 139, 242, 2876.
Yamaguchi,M. 7363.
Yamaguchi,R. 4659.
Yamaguchi,T. 6162.
Yamaha,T. 5467.
Yamaizumi,M. 1769.
Yamaizumi,Z. 111, 171, 1348, 3453, 5754, 5760.
Yamaji,A. 4612.
Yamakawa,T. 1400, 3204.
Yamaki,H. 6098.
Yamamoto,M. 391, 1605, 6363, 7202.
Yamamoto,A. 1191.
Yamamoto,K. 4113.
Yamamoto,K.R. 3864.
Yamamoto,M. 6363, 7202.
Yamamoto,N. 6739.
Yamamoto,T. 1999, 2745.
Yamamoto,Y. 2368, 4069, 5547.
Yamana,K. 154, 268, 1504, 5416.
Yamanaka,H. 677, 4614.
Yamanaka,N. 3666.
Yamane,A. 60.
Yamanishi,K. 4386, 7133.
Yamaoka,K. 967.
Yamasaki,H. 4894.
Yamasaki,K. 1349.
Yamashita,J.-I. 4618.
Yamashita,M. 5959.
Yamashita,T. 6532.
Yamauchi,K. 279, 679, 1829, 5730.
Yamaura,I. 4394.
- Yamawaki-Kataoka,Y. 5524.
Yamawaki,I. 1340.
Yamazaki,M. 556.
Yamazaki,Y. 116.
Yamkovoy,V.I. 5173.
Yamnikova,S.S. 1545, 4534, 6085.
Yamshanov,V.A. 6992.
Yamskova,V.P. 1098.
Yanagawa,H. 147.
Yanagi,K. 6967.
Yanagihara,T. 1995, 3301, 5996.
Yanagisawa,M. 278, 1180.
Yanagisawa,N. 4086.
Yanai,R. 428, 1650.
Yanai,R.C.A. 383.
Yanai,R. 2724.
Yang,D.C.H. 5843.
Yang,H.-L. 6848.
Yang,L.-M. 1305.
Yang,N.C. 1341, 1379.
Yang,R.C.A. 2074, 3728, 4323.
Yang,S.K. 1565.
Yang,S.S. 6941.
Yang,T.C. 7164.
Yang,W.K. 2525.
Yang,Y.H.J. 6359.
Yangel,L.M. 5125.
Yaniv,A. 4325, 5641.
Yaniv,M. 1186, 3947, 3989, 6005, 7353, 7444.
Yaniv,Z. 4497, 4498.
Yankofsky,S. 3090.
Yankovskij,J.K. 5108.
Yankovskij,N.A. 7396.
Yanofsky,C. 909, 1028, 1610, 2515, 2644, 5098, 6216.
Yanov,J. 4743.
Yanson,I.K. 4617, 6127.
Yansura,D.G. 653, 652.
Yantorno,C. 1240.
Yao,M.-C. 4977.
Yao,T. 672.
Yap,S.H. 924, 2235.
Yarranton,G.T. 5235.
Yartseva,J.V. 2330.
Yarus,M. 3981, 4312, 4829, 4966, 5081, 6665.
Yasbin,R.E. 3809.
Yasnetskaya,S.M. 6634.
Yasuda,Y. 3756, 5416.
Yasumoto,M. 1340, 4618.
Yasuniwa,M. 4054.
Yata,K. 2813.
Yates,I.E. 3472.
Yatscoff,R.W. 3169.
Yatsimirskij,K.B. 5762.
Yatsina,A.A. 3260.
Yatsunami,T. 688.
Yau,L. 3420, 3421.
Yavich,M.P. 1525.
Yazykov,A.A. 3848.
Yeater,C. 2759.
Yee,D. 6178.
Yefenof,E. 2102.
Yefimova,L.Yu. 5619, 2790.
Yeh,W.K. 7266.
Yeoman,M.M. 6047.
Yermolaeva,N.V. 3312.
Yeroushalmi,S. 5771.
- Yeung,L.L. 1445.
Yevdokimova,V.A. 6472.
Yevdokimova,O.N. 1889.
Yevich,R. 4062.
Yew,F.F.H. 6308.
Yielding,K.L. 1092, 2710, 5458.
Yielding,L.W. 5457, 5458.
Yin,J. 3100.
Yip,C. 6069.
Yip,K.F. 5797.
Yngner,T. 2341.
Yoakum,G.H. 3669.
Yoda,K. 6497.
Yohn,D.S. 2051.
Yokohari,R. 7409.
Yokota,T. 4625.
Yokoyama,S. 111, 5760.
Yonekawa,H. 413, 3778, 5460.
Yonuschot,G. 1930, 2038.
Yoo,S.H. 6675.
York,S.S. 1305, 7477.
Yoshida,H. 1349.
Yoshida,K. 1909.
Yoshida,M. 129, 3824, 5959, 6775.
Yoshida,S. 2799, 2802, 4506.
Yoshida,T. 5190.
Yoshida,Y. 2094.
Yoshihara,H. 2216.
Yoshihara,K. 2216, 6340.
Yoshii,G. 6989.
Yoshii,S. 5190.
Yoshi,T. 1852.
Yoshikawa,H. 2876, 3396.
Yoshikawa,K. 973, 3154.
Yoshikawa,M. 4250, 4932.
Yoshikawa,M.I. 279.
Yoshimoto,A. 2926.
Yoshimura,F. 4953.
Yoshimura,F.K. 3741.
Yoshinaga,K. 2228.
Yoshino,M. 1220.
Yoshizawa,I. 1821.
Yoshizawa,K. 2709.
Yoshizawa,T. 4615.
Yot,P. 390, 5924.
Young,D.A. 491.
Young,F.E. 479, 1690.
Young,F.S. 823.
Young,R.A. 392.
Young,B.S. 7340.
Young,D. 7434.
Young,E.T. 234, 1978.
Young,F.E. 3238, 7454.
Young,H.A. 4470.
Young,I.G. 5101.
Young,J.F. 4384, 4385.
Young,J.R. 235.
Young,J.W. 5482.
Young,K.K.Y. 7258.
Young,M. 2720.
Young,M.A. 1862.
Young,P.A. 5323.
Young,P.R. 1946, 4669.
Young,R.A. 5509, 6203.
Young,S. 2714.
Younkin,B. 2900.
Yount,R.G. 113.
Youssef,M. 5737.
Youvan,D.C. 7379.
Ysebaert,M. 4959.

- Yu.B.S. 673.
 Yu.L.-C. 3978.
 Yu.M.T. 5672.
 Yu.N.T. 5783.
 Yu.S. H. 6948.
 Yuan.R. 530, 1167.
 Yuasa.Y. 1265.
 Yuferov.V. 546.
 Yuki.H. 3088, 4612.
 Yun.T. 7038.
 Yung.D.K. 1668.
 Yura.T. 3205.
 Yurgajis.A.P. 5496.
 Yurina.N.P. 4720.
 Yurkevich.A.M. 4056.
 Yurov.Y.B. 2098.
 Yuspa.S.H. 6105.
 Yusupova.D.V. 3223.
 Yuyama.S. 2097, 7316.
- Zaadhof.K.-J. 3229.
 Zabel.P. 3342, 3904.
 Zaboikin.M.M. 4878.
 Zabus.P. 1106.
 Zaboikin.M.M. 1758.
 Zaccai.G. 1428, 2942, 5855.
 Zaccarini.M. 1252.
 Zachau.H.G. 1053, 1775, 6246, 7286.
 Zachova.J. 5778.
 Zagon.I.S. 3835.
 Zagorski.W. 796, 1415.
 Zagrebelny.S.N. 6634.
 Zahalak.M. 490.
 Zaharia.C.N. 2901.
 Zaharyev.V.M. 1585.
 Zahid.N.D. 3502.
 Zahn.G. 4376, 4377.
 Zahn.R.K. 2803, 3233, 4041, 4042, 4591, 5282, 5541, 5775, 6607, 6766, 7376.
 Zaichikov.E.F. 994.
 Zaidela.F. 3173.
 Zaides.V.M. 3466.
 Zain.S. 4776.
 Zairov.G.K. 2739.
 Zaitsev.E.N. 7024.
 Zaitseva.G.N. 6858.
 Zajdela.F. 1564.
 Zak.R. 2195.
 Zakhar'ev.V.M. 1614.
 Zakharenko.L.P. 5414.
 Zakharian.R.A. 4929.
 Zakharov.A.F. 3405, 7446.
 Zakharov.I.A. 3596.
 Zakhidov.S.T. 2019.
 Zakstelskaya.L.Ya. 4534.
 Zalenskaya.E.O. 1248.
 Zalenskaya.I.A. 1248.
 Zalensky.A.O. 1248.
 Zalesna.G. 3073.
 Zalitis.J.G. 2836.
 Zalmanzon.E.S. 1979.
 Zama.M. 582.
 Zambon.F. 4891.
 Zamboni.M. 1922.
 Zamchuk.L.A. 6993.
 Zamecnik.P.C. 5070.
 Zan-Kowalczevska.M. 4242.
 Zani.B. 3261.
 Zannis.V.I. 2809.
 Zanollo.A. 5929.
- Zaretskii.I.Z. 940.
 Zarin'.D.Eh. 47.
 Zaritsky.A. 1273.
 Zarley.C.D. 989.
 Zarytova.V.F. 137, 6634.
 Zasedatelev.A.S. 1865, 3061, 3432, 5241.
 Zaslavsky.V. 2513.
 Zastavny.I.V. 2496.
 Zava.D.T. 4050.
 Zavadova.H. 6420.
 Zavilgelsky.G.B. 3811.
 Zavizion.B.A. 1004, 2619, 4944, 7326.
 Zavriev.S.K. 4341, 1582.
 Zaychikov.E.F. 381.
 Zazinko.L.A. 5952, 5953.
 Zbarsky.I.B. 2529, 3634.
 Zbinden.G. 6987.
 Zborovskaya.I.B. 1056, 1243, 2443, 2996, 3525.
 Zechel.K. 2902.
 Zedeck.M.S. 2117, 6707.
 Zeevi.M. 4695.
 Zelenin.A.V. 2251, 3320.
 Zelenkova.N.K. 2674, 3654, 5195.
 Zelinka.J. 1168, 1746, 5133, 5142, 6018.
 Zelinkova.E. 1168, 1745, 1746, 5133.
 Zeller.W.J. 4648.
 Zelles.L. 6843.
 Zemell.R. 2531, 6072.
 Zemlicka.J. 2423, 5743.
 Zemlyanaya.N.Yu. 1122.
 Zemskov.A.M. 6897.
 Zemskov.V.M. 4845.
 Zenebergh.A. 1713, 5129, 7222, 7228.
 Zentgraf.H. 2250, 3314, 3318, 4542.
 Zerobin.K. 1550.
 Zerrudo.Z. 7215.
 Zetter.M.S. 119.
 Zevilgelsky.G.B. 974.
 Zhdanov.V.M. 940, 1545, 2739, 4291, 4534, 4849, 6085.
 Zhemkova.L.N. 5426.
 Zhenodarova.S.M. 163.
 Zherebtsov.S.V. 5038.
 Zhestyanikov.V.D. 7144.
 Zhilina.N.N. 2739.
 Zhivotovsky.B.D. 6125.
 Zhorov.B.S. 1583.
 Zhudina.A.I. 6943.
 Zhuk.R.A. 47, 124.
 Zhukova.R.A. 3829.
 Zhurkin.V.B. 3698.
 Zhuze.A.L. 3061, 3432, 3970.
 Zielinski.W.L., Jr. 6978.
 Zielinski.W.S. 5745.
 Ziff.E. 2452, 855, 4805, 5992.
 Zigelboim.J. 3174.
 Zilberstein.A. 2217, 3228, 5917.
 Zillig.W. 258, 7332.
 Zimbrick.J. 6583.
 Zimm.B.H. 6135.
 Zimmer.C. 4063, 4889, 5233, 6122, 7420.
- Zimmer.S.G. 893, 3167, 5141.
 Zimmer.Z. 3090.
 Zimmerman.S.B. 6123, 6439.
 Zimmerman.T.P. 1847, 4640.
 Zimmermann.H.W. 3667, 6104.
 Zimmermann.K. 1559.
 Zimmermann.R.A. 2421, 3493, 4107, 6732, 6752.
 Zimmern.D. 247, 5342.
 Zinchenko.A.I. 364.
 Zinchenko.V.V. 2554, 6991.
 Zinder.N.D. 4314, 5450, 5493, 6355.
 Zinkovskaya.G.G. 1102.
 Zinman.S.M. 2238.
 Zinner.K. 879.
 Zinov'ev.V.V. 3463.
 Ziolkowski.C.H.J. 6314.
 Zipori.P. 3494, 4117, 4130.
 Zipser.D. 5242.
 Zirne.R.A. 4255.
 Zirwer.D. 359, 2597.
 Zitomer.R.S. 6865.
 Ziv.E. 6072.
 Zivancev-Popov.N. 3530.
 Zizkovsky.V. 76.
 Zlatanova.J. 2691.
 Zlatkin.I.V. 5310.
 Zocchi.G. 2433.
 Zollinger.M. 2614.
 Zollner.E.J. 5238.
 Zongza.V. 5219.
 Zopel.P. 7039.
 Zouzas.D. 412, 7118.
 Zschiesche.W. 1346.
 Zsindely.A. 2165.
 Zubairi.M.Y. 2920.
 Zubay.G. 6848.
 Zuffardi.O. 3239.
 Zunino.F. 4887.
 Zupancic.I. 4918.
 Zupi.G. 1162.
 zur Hausen.H. 6190, 4333, 6275.
 Zurawski.G. 909, 1028, 2515, 5673, 7269.
 Zurcher.W. 5308.
 Zuyev.A.V. 974.
 Zvereva.L.N. 5312.
 Zvonarev.A.Y. 5951.
 Zvonareva.N.B. 6125.
 Zwieler.A. 2246, 5664.
 Zwelling.L.A. 1571, 6959, 6985.
 Zwieb.C. 801, 3477, 4718.
 Zwierzchowski.L. 2505.
 Zydowo.M. 3273.
 Zylber.J. 3384.
 Zylber.N. 3384.
 Zyskind.J.W. 7070.

Subject Index

A-type particles.

Mus musculus, RNA nucleotide sequence homology-
endogenous oncornavirus, *Mus cervicolor* 5374.

Abelson leukaemia virus,

RNA translation, *Xenopus laevis* oocytes 2003.

Acanthamoeba castellanii,

DNA content 2552.

RNA polymerase I, purification/subunits structure 525.

RNA polymerase II, catalytic properties, subunits

topography, encystment, effects on 2201.

RNA polymerase II, preparation/subunits composition 5628.

RNA polymerase III, cysts/trophozoites, comparison 6418.

RNA polymerase III, purification/characterization 1729.

RNA polymerase III activity 1187.

Acanthamoeba culbertsoni,

DNA content 2552.

Acanthamoeba polyphaga,

DNA content 2552.

Acanthamoeba rhysodes,

DNA content 2552.

Acanthamoeba royreba,

DNA content 2552.

Acer platanoides,

RNA biosynthesis/protein biosynthesis, low temperature
stratification, effects on 6891.

Acer pseudoplatanus,

cells, rRNA precursors processing, 2,4-

dichlorophenoxyacetic acid, effects on 3593.

rRNA precursors, molecular weight determination 5987.

rRNA 17S, bases methylation during cells growth 6016.

Acetabularia,

cells, adenovirus (human) 2 DNA expression 4451.

cytoplasm, mengovirus RNA translation 1529.

cytoplasm, tobacco mosaic virus RNA translation 2945.

DNA biosynthesis/RNA biosynthesis, α -methylornithine,
effects on 5570.

RNA biosynthesis/protein biosynthesis, inhibition-tobacco
mosaic virus 4199.

Acetabularia cliftonii,

chloroplasts DNA, characterization 2656.

Acetabularia mediterranea,

cytoplasm, RNA distribution 2000.

cytoplasm, rRNA transport 926.

Acetaldehyde,

induction-DNA cross-linking/sister chromatid exchange
3082.

Acetamide,

interaction-purines/pyrimidines, n.m.r. 3369.

Acetic acid,

denaturation-DNA, use-in situ hybridization 360.

N-Acetoxy-4-Acetamidostilbene,

deamination-cytosine (1-methyl) 2905.

N-Acetoxy-2-Acetylaminofluorene,

binding-DNA, linear dichroism 3678.

combination-radiation (u.v.), treated, xeroderma

pigmentosum radiation (u.v.), DNA repair 7167.

damage-DNA, lymphoid cells 2573.

damage-human DNA, carcinogenesis 957.

DNA adducts formation, human/mice cells,

radioimmunoassay 6105.

effects on DNA repair synthesis distribution, chromatin,

human fibroblasts 627.

induced damage, human fibroblasts, DNA repair 7169.

induced damage, normal/ataxia telangiectasia/Fanconi's

anaemia/Bloom's syndrome/Cockayne syndrome human
cells, DNA repair excision 3822.

induced DNA repair, relationship-in vivo chromosomes
damage 3170.

induction-DNA binding-nonhistone proteins, chromatin 4552.

modification-DNA, effects on methylation 4893.

modified DNA antibodies, purification/properties 580.

modified guanosine, antibodies reactivity 5649.

N-Acetyl-2-Acetylaminofluorene,

modified DNA, antibodies, characterization 4532.

2-Acetylaminofluorene,

binding-DNA, liver nuclei, rats, activation 5460.

derivatives, inhibition-RNA biosynthesis, nuclei, liver, rats
6842.

effects on DNA/RNA metabolism, nuclei, liver, rats 454.

induction-DNA repair, hepatocytes, 3-methylcholanthrene-
treated rats 2711.

Acetylcholine,

effects on RNA biosynthesis, nuclei, brain, rats 2517.

Acetylcholinesterase,

differentiation, myogenesis, embryo cells, chickens, RNA,
effects on 306.

2'-Acetylformanilide,

effects on radiation (u.v.)-induced photooxidation-
nucleosides/nucleotides 5749.

N-Acetylglucosamine,

transfer, liver microsomes, rats, removal-bound ribosomes,
effects on 212.

N-Acetylphenylalanyl-tRNA hydrolase,

yeasts, purification/characterization 5337.

Achatina fulica,

deoxyribonuclease, purification/characterization 2182.

Acheta domestica,

oocytes, circular rRNA gene, length heterogeneity 4360.

Achlya ambisexualis,

chromatin organization 4549.

nuclei, RNA polymerase, inhibition-amatoxins 3254.

protein biosynthesis, stimulation-antheridiol 1417.

Acholeplasma,

bases/nucleosides assimilation 1816.

Acholeplasma laidlawii,

photoinactivation/DNA repair 2701.

radiation (u.v.)-inactivated, DNA repair, acriflavine, effects
on 3148.

Acipenser guldenstadti,

ovary, rRNA gene detection 5445.

Acipenser ruthenus,

ovary, rRNA gene detection 5445.

Acclacinomycin A,

interaction-DNA 6098.

Acricotopus lucidus,

salivary gland, RNA biosynthesis, ecdysone, effects on 4201.

Acrida exaltata,

testis DNA, quantitation 6938.

Acrididae,

testis, DNA biosynthesis/RNA biosynthesis,

autoradiography 3141.

Acridine,

binding-calf thymus DNA 967.

ethidium heterodimers, binding-DNA 1573.

interaction-DNA, mutagenesis, base pairs substitution 5457.

Acridine orange,

binding-DNA, fluorescence 966, 6103.

complex-cytidylyl-(3',5')-guanosine, structure, X-ray
crystallography 6640.

- 4'-(9-Acridylamino)methanesulphon-m- -aniside**, binding DNA, inhibition-DNA polymerase (RNA-dependent) 958.
- induction-DNA damage, leukaemia L1210 cells 355.
- Acridiflavine**, effects on DNA repair, radiation (u.v.)-inactivated *Acholeplasma laidlawii* 3148.
- effects on radiation (u.v.)/radiation (γ) induced DNA repair, *Escherichia coli* 7144.
- Actin**, complex-deoxyribonuclease I, isolation/characterization, pancreatic juice, rats 1165.
- genes, *Dictyostelium discoideum*, characterization 1613.
- genes, *Dictyostelium discoideum*, identification/analysis 2164.
- interaction-*Crotalus adamanteus* venom 5'-nucleotidase, concanavalin A, effects on 7386.
- interaction-histone H1, role-mitotic spindle formation 1252.
- mRNA, mice, sarcoma-180 ascites cells, characterization/poly (A) content 886.
- mRNA, sarcoma ascites cells, mice, translation efficiency/stability 6078.
- Actinomyces naeslundii**, strains, DNA hybridization, comparison 7059.
- Actinomyces viscosus**, strains, DNA hybridization, comparison 7059.
- Actinomycin**, effects on interferon superinduction-poly (I-C), human fibroblasts 1869.
- Actinomycin D**, binding-nucleotides, spectroscopy (absorption)/c.d. 120.
- binding-uridine (halodeoxy)-substituted DNA, Syrian hamsters cells 5522.
- complex-DNA, spectroscopy (Raman) 2066.
- complex-DNA, structure 3077.
- effects on DNA/RNA content, *Periplaneta americana* 5041.
- effects on influenza A virus protein biosynthesis, embryo cells, chickens 3466.
- effects on nonhistone proteins, liver, rats 3956.
- effects on protein biosynthesis-cell-free system, mRNA, myogenic cell lines 941.
- effects on ribonucleoproteins ultrastructure, CHO cells 5193.
- effects on RNA biosynthesis, liver/spleen, rats, post-irradiation 435.
- effects on RNA biosynthesis/DNA biosynthesis, avian myeloblastosis virus transformed cells 2107.
- effects on mRNA degradation, free/membrane-bound polyribosomes, liver, rats 4158.
- effects on *Tetrahymena pyriformis* RNA 238.
- induced damage, DNA repair, LL cells 5050.
- induction- α -globulin mRNA, liver, rats 4209.
- inhibition-DNA replication initiation, CHO cells 3166.
- inhibition-RNA biosynthesis, cowpea mosaic virus 3595.
- inhibition-rRNA biosynthesis, relationship-silver staining 5410.
- interaction-deoxynucleotides, c.d. 1830.
- mediated resistance, *Phytophthora megasperma* infection, *Glycine max* hypocotyls, role-mRNA biosynthesis/protein biosynthesis 279.
- 7-substituted analogues, interaction-DNA 2567.
- Adenine**, amino groups, acidity 3368.
- base pair-thymine, DNA, electronic structure 1581.
- binding-zinc 5724.
- complex formation-isoproterenol 6559.
- complex formation-7,7,8,8-tetracyanoquinodimethane 38.
- complex-platinum chloride, synthesis/antitumour activity 5762.
- containing, drugs, inhibition-protein kinase, myocardium, rats 6626.
- containing, oligonucleotides, synthesis 138.
- crystals, low temperature phosphorescence 4611.
- cyclonucleosides, structure, n.m.r. 1843.
- derivatives, binding-triostin A 673.
- derivatives, dopamine β -monooxygenase inhibition/antiviral activity 4023.
- derivatives, physical properties 16.
- 9-(5,6-dideoxy- β -D-ribo-hex-5-enofuranosyl) derivatives, synthesis 1825.
- effects on human lymphoblasts 711.
- erythro-9-(2-hydroxy-3-nonyl), inhibition-herpes simplex virus replication 687.
- erythro-9-(2,3,4-trihydroxybutyl) derivatives, synthesis 17.
- exogenous, effects on pyrimidine nucleotides biosynthesis, *Escherichia coli* 1345.
- hydrogen cyanide/formamide derived, n.m.r. 3363.
- interaction-chloroacetaldehyde 18.
- ions, electrophoresis behaviour 6616.
- labelled, incorporation-cytokinins, *Nicotiana callus* 1815.
- methylated, content, rRNA 23S, streptomycetes 4787.
- mixtures-uracil/uracil (1,3-dimethyl), adsorption-mercury electrodes/solutions interface 4619.
- nucleosides/nucleotides, interaction-tetrakis- μ -acetato-dirhodium 6582.
- oxyethylated derivatives, synthesis 20.
- reaction-phenyl2,3-epoxypropyl ethers, hypolipidaemic agents, synthesis/properties 19.
- reaction products-benzyl chloroformate, structure, X-ray crystallography 3364.
- role-*Mycoplasma pneumoniae* trachea pathogenesis 2907.
- separation-nucleoside (deoxyribo), use-chromatography (high-performance liquid) 5740.
- substituted derivatives, spectroscopy (i.r.) 4616.
- threo-9-(2,3,4-trihydroxybutyl) derivatives, synthesis 17.
- transport, *Streptococcus lactis* 4036.
- treated, CHO cells/V-79 cells, DNA biosynthesis, radiation (X), effects on 2118.
- triallyl phosphate derivatives, synthesis 5730.
- Adenine (N³-carbamoyl)**, synthesis/biological activity 66.
- Adenine (3'-Amino-3'-Deoxyarabinosyl)**, carbocyclic analogues, synthesis 1826.
- Adenine (8-Azido) nucleotide**, thermal decomposition 1365.
- Adenine (lin-Benzo) nucleotide**, interactions, n.m.r. 6618.
- Adenine (benzyl)**, effects on RNA/DNA content, *Phaseolus vulgaris* leaves 841.
- Adenine (N⁶-Benzyl)**, incorporation, *Nicotiana tabacum* RNA, inhibition-cytokinins analogues 4621.
- Adenine (N⁶-Carbamoyl)**, synthesis/biological activity 66.
- Adenine (3,9-Dialkyl)**, synthesis 6557.
- Adenine (N⁶,N⁹-Dimethyl)**, crystallization/base stacking, water 6555.
- Adenine (9-(β -Hydroxyethoxymethyl))**, containing, dinucleoside phosphates analogues, synthesis, c.d. 5799.
- synthesis 1338.
- Adenine (N⁶-Methyl)**, adenovirus (human) 2 mRNA 5'-terminus caps, antibodies

Adenine (N⁶-Methyl),(continued)

recognition 5948.
 content, *Shigella stutzeri*/*Shigella sonnei* DNA 394.
Adenine (1-Methyl),
 determination, DNA, use-chromatography (high-performance liquid) 3088.
Adenine (2,3,4-Trihydroxybutyl),
 derivatives/related compounds, synthesis, methodology 5262.
Adenine (9-(β -D-Xylofuranosyl)),
 inhibition-RNA biosynthesis, L1210 cells, coformycin (2'-deoxy), effects on 2512.
 reaction-triphenylphosphane/diethyl azodicarboxylate 3383.
Adenine arabinoside,
 5'-(O-acyl) derivatives, synthesis/antiviral activity 3380.
 2'-amino derivatives, synthesis 2322.
 2'-azido-2'-deoxy/2'-amino-2'-deoxy derivatives, synthesis 5271.
Beggiatoa/*Candida albicans*/*Sphaerotilus natans* growth inhibition 3396.
 derivatives, adenosine conversion, methodology 6580.
 derivatives, synthesis/antitumour activity 5747.
 effects on Epstein-Barr virus expression/transformation 4641.
 effects on herpes simplex virus 1 infection, mice 1846.
 herpes simplex virus infection/herpes zoster, treatment 1362.
 herpes simplex virus 1 keratitis treatment, rabbits 3409.
 inactivation-S-adenosylhomocysteine hydrolase, mechanisms 3398.
 inhibition-DNA biosynthesis, herpes simplex virus/non-infected hosts 7113.
 inhibition-DNA polymerase activity, human liver diseases 1732.
 molecular/crystal structure 6590.
 reaction-triphenylphosphane/diethyl azodicarboxylate 3383.
 resistance, Gardner lymphosarcoma cell lines 3397.
 separation-adenosine/adenosine (deoxy), use-sugar-borate complexation 53.
 structure, n.m.r. 1843.
 synthesis 6581.
 treatment-herpes simplex virus keratitis, human 1363.
 treatment-vaccinia virus infection, human eye 4643.
 treatment-varicella-zoster virus/vaccinia virus/herpes simplex virus infection, man 5286.
Adenine deaminase,
Pseudomonas synxantha, purification/characterization 2812.
Adenine nucleosides,
 D-mannofuranose, synthesis 68.
 derivatives, synthesis/antileukaemia agents 3382.
 n.m.r. 6589.
Adenine nucleotides,
 see also AMP, ADP, ATP
 content, *Zea mays* roots, light, effects on 6625.
 effects on DNA biosynthesis, thymocytes, mice 712.
 immobilization 114.
 ions, electrophoresis behaviour 6616.
 myocardium, rats, separation-adenosine, chromatography (thin-layer) 6617.
 transport, mitochondria, ADP/ATP restricted analogues, effects on 1368.
Adenine phosphoribosyltransferase,
 genes, transfer-cells, mammals, DNA mediated 5116.
Adeninium phosphate,
 X-ray crystallography 5778.
Adeno-associated virus,
 autointerference, DNA analysis 3724.
 DNA, structure, role-replicative intermediates 4318.
 DNA replication, CV-1 cells growth, effects on 4385.
 DNA replication, phosphonoacetic acid/2-deoxyglucose,

effects on 4384.

DNA replication complex, characterization, herpes simplex virus 1/adenovirus (human) 5-infected Vero cells 7108.
 replication, African green monkeys kidney cells 6271.
 mRNA precursors, isolation, methodology 3527.
Adenocarcinoma,
 mammary gland, mice, poly (I.C)/poly (I)/poly (C) 5314.
 mammary gland, rats, 7,12-dimethylbenz(a)anthracene-induced, replication-defective endogenous oncornavirus RNA expression 4470.
Adenosine,
 acidic hydrolysis 2323.
 analogues, inhibition-lymphocyte-mediated cytotoxicity 1847.
 complex-platinum chloride, synthesis/antitumour activity 5762.
 complex-ribonuclease S, conformational analysis 5275.
 conformational analysis 6620.
 conversion-adenine arabinoside derivatives, methodology 6580.
 derivatives, interaction-copper 5746.
 derivatives, reaction-thionyl chloride, mechanisms 5744.
 effects on DNA biosynthesis, thymocytes, mice 712.
 effects on human lymphoblasts 711.
 electrophoresis, metals, effects on 3392.
 inhibition-*Crithidia fasciculata* growth 2333.
 interaction-chloroacetaldehyde 18.
 ions, electrophoresis behaviour 6616.
 myocardium, rats, separation-adenine nucleotides, chromatography (thin-layer) 6617.
 pentaammineruthenium complex, synthesis 75.
 3'-phenylphosphonic acid esters, interaction-endonuclease, plants 73.
 radioimmunoassay 4624.
 reaction-chloroacetaldehyde, intermediates structure 5272.
 reaction-tetraammineruthenium 21.
 reaction-trimethyl phosphate 1829.
 reaction-triphenylphosphane/diethyl azodicarboxylate 3383.
 role-mammalian cells, review 5701.
 self-stacking, n.m.r. 93.
 separation-adenine arabinoside/adenosine (deoxy), use-sugar-borate complexation 53.
 N⁶-substituted analogues, cytotoxicity-human trophoblastic tumours cell lines 6596.
 2-substituted analogues, 5'-phosphate/5'-phosphorothioate/5'-O-sulphamoyl derivatives, synthesis/inhibition-platelets aggregation 1828.
 unsaturated derivatives, synthesis 3384.
 use-dinucleoside monophosphate synthesis 136.
Adenosine (2-Alkylthio-2',3'-O-Isopropylidene),
 conformation 94.
Adenosine (3'-Amino-3'-Deoxy),
 carbocyclic analogues, synthesis 1826.
Adenosine (5'-O-(1-Aminoethane-1-Phosphonyl)),
 synthesis 5745.
Adenosine (2-Aza),
 X-ray crystallography 5755.
Adenosine (5'-O-Benzoyl),
 reaction-triphenylphosphane/diethyl azodicarboxylate 3383.
Adenosine (N⁶-Benzyl),
 antibodies, binding-cytokins, specificity 5176.
Adenosine (8,2'-Cyclo),
 dinucleoside monophosphate, n.m.r. 115.
 X-ray crystallography 5756.
Adenosine -3,5'-cyclophosphate,
 conformation, n.m.r. 3415.
Adenosine (8',5'-Cylo),
 synthesis 2324.

- Adenosine (3-Deaza),**
inhibition-cytolysis, lymphocytes 4640.
inhibition-Rous sarcoma virus replication/transformation-
embryo cells, chickens 2334.
- Adenosine (7-Deaza),**
biological activity, leukaemia cells, mice 5282.
methyl derivatives, spectroscopy (Raman) 5757.
- Adenosine (deoxy),**
differential toxicity-lymphoblasts T/lymphoblasts B, role-5'-
nucleotidase 5284.
effects on human lymphocytes, growth/function 4642.
effects on lymphocytes T/lymphocytes B 103.
radioactively labelled, incorporation *Saccharomyces cerevisiae* mitochondria DNA 104.
separation-adenosine/adenine arabinoside, use-sugar-borate
complexation 53.
toxicity-human malignant lymphocytes T 5285.
- Adenosine (2'-Deoxy),**
alkylation-chloroethyl ethyl sulphide, products
characterization 1827.
inactivation-S-adenosylhomocysteine hydrolase, mechanisms
3398.
inhibition-*Crithidia fasciculata* growth 2333.
role-mammalian cells, review 5701.
- Adenosine (3'-Deoxy),**
effects on microtubules, Vero cells/HeLa cells 4038.
inhibition-RNA biosynthesis, L1210 cells, 2'-
deoxycofomycin potentiation 5279.
inhibition-RNA biosynthesis, regenerating liver, rats,
coformycin (2'-deoxy), effects on 3016.
inhibition-RNA efflux, SV40-3T3 cells 5281.
- Adenosine (5'-Deoxy),**
effects on purine nucleotides biosynthesis, Ehrlich ascites
tumour cells 2335.
- Adenosine (5'-Deoxy-5'-S-Isobutyl),**
effects on DNA biosynthesis/DNA methylation, leukaemia
cells, mice/human lymphocytes 5069.
inhibition-RNA methylation, Rous sarcoma virus-
transformed embryo fibroblasts, chickens 2376.
effects on mammary tumour virus transformed cells 1848.
- Adenosine (5'-Deoxy-5'-S-Isobutylthio),**
inhibition-nucleosides/sugars transport, embryo fibroblasts,
chickens 5283.
- Adenosine (etheno),**
derivatives, fluorescence, pH/metals, effects on 4629.
- Adenosine (1,N⁶-Etheno),**
fluorescence 6588.
fluorescence, protonation/cooling, effects on 95.
protonation sites, determination 4638.
- Adenosine (1,N⁶-Etheno-2-Aza),**
copolymers-poly (A)/poly (U)/poly (I), synthesis/properties
5797.
- Adenosine (N⁶(Ethylnitroso)),**
carcinogenicity 4037.
- Adenosine (β -Fluorosulphonylbenzoyl),**
use-tyrosine residues identification, adenosinetriphosphatase
 β -subunit nucleotides binding sites 1214.
- Adenosine (2'-Halogeno-2'-Deoxy),**
synthesis/physical properties 1352.
- Adenosine (isopentenyl),**
deficient, tRNA, *Saccharomyces cerevisiae* antisuppressor
mutant 1395.
- Adenosine (N⁶(Δ^2 -Isopentenyl)),**
antibodies, properties 578.
containing, tRNA, *Lactobacillus acidophilus*, half-life 3448.
- Adenosine (2',3'-O-Isopropylidene),**
structure, X-ray diffraction 96.
- Adenosine (N⁶-Methyl),**
containing, mRNA 16S/mRNA 19S, SV40, identification/
mapping 6788.
- Adenosine (N-6-Methyl),**
labelled mRNA, frequency, HeLa cells 918.
- Adenosine (3-Methyl),**
synthesis/hydrolysis 4628.
- Adenosine (5'-C-Methyl),**
synthesis, methodology 5752.
- Adenosine (8-Methyl),**
use-dinucleoside monophosphate synthesis 136.
- Adenosine (5'-Methylthio),**
effects on heat shock response, *Drosophila melanogaster*
5761.
- Adenosine (N⁶-Phenyl-N⁶-Allyl),**
effects on adipose tissue metabolism 6595.
- Adenosine (5'-Sulphamino-5'-Deoxy),**
synthesis 2321.
- Adenosine (N⁶(N-Threonylcarbonyl)),**
interaction-bromomethylmethoxyoxobenzopyran/
bromoacetanilide 67.
- Adenosine deaminase,**
activity, human skin fibroblasts/rabbits kidney cell culture
547.
activity, lymphocytes, human lung tumours 2813.
activity/properties, relationship-adenosine concentration/role
564.
binding protein, human, kidney, purification/characterization/
assays 562.
cattle, intestinal mucosa, substrates 563.
deficiency, human, association-immunodeficiency, review 6.
interaction-purine nucleosides analogues 1351.
- Streptomyces aureofaciens**, purification/characterization
1746.
Streptomyces aureofaciens, substrate specificity 1745.
- Adenosine dinucleotide,**
base stacking, calorimetry/spectroscopy (u.v.) 4052.
- Adenosine hexaphosphate,**
role-*Bacillus subtilis* sporulation 724, 1369.
- Adenosine kinase,**
activity/properties, relationship-adenosine concentration/role
564.
- Adenosine pentaphosphate,**
effects on tryptophanase/ β -galactosidase induction,
Escherichia coli 2926.
- Adenosine phosphorothioate,**
reaction-4-(p-sulphophenylazo)-2-mercuriphenol, use-
nucleotide sequence analysis 3381.
- Adenosine phosphorylase,**
wheat germ, cytokinins metabolism 5163.
- Adenosine tetraphosphate,**
effects on RNA polymerase transcription selectivity,
Escherichia coli 2789.
- Adenosine 5'-O-(1-Thiotriphosphate),**
configuration/*Escherichia coli* RNA polymerase
stereospecificity 720.
- Adenosine-5'-O-Methylphosphate,**
structure, X-ray diffraction 2345.
- Adenosinetriphosphatase,**
complex, subunits, structural gene, *Saccharomyces cerevisiae*
, DNA, mitochondria, nucleotide sequence 4357.
contamination-DNA polymerase fidelity assays, *Escherichia coli*
cell-free system, characterization 7390.
DNA dependence, *Escherichia coli*, purification/
characterization 4520.
DNA-unwinding protein, phage T4-infected *Escherichia coli*
, isolation/properties 5675.

Adenosinetriphosphatase,(continued)

genes, *Saccharomyces cerevisiae* mitochondria DNA, nucleotide sequence 3119.

genes localization, *Saccharomyces cerevisiae* petite mutant mitochondria DNA 6219.

β -subunit, nucleotides binding sites, tyrosine residues, identification, use-adenosine (β -fluorosulphonylbenzoyl) 1214.

S-Adenosylhomocysteine,

analogues, inhibition-tRNA (guanine-1)-methyltransferase/tRNA (adenine-1)-methyltransferase/tRNA (guanine-2)-methyltransferase 180.

5'-Adenosylphenylalanine,

synthesis/pH stability 6591.

5'-O-Adenosyl3'-O-Uridyl phosphorothioate,

diastereoisomers, synthesis/enzymatic properties 2928.

Adenovirus,

DNA, homology 3725.

DNA, integration-transformed KB cells 1127.

DNA, restriction endonuclease Bam-HI fragments, characterization 1004.

DNA, structure/function, review 1334.

DNA, 5'-terminus complex-proteins, assays 5243.

DNA mapping, review 4598.

integration/oncogenicity, review 660.

RNA, stability, proflavine/ethidium bromide/daunomycin, effects on 849.

Adenovirus (bovine) 3,

DNA, restriction endonuclease cleavage mapping 1002.

DNA fragments, transformation-BALB/3T3 cells 1126.

induction-DNA biosynthesis, clones, cell lines, mice, temperature effects 1070.

Adenovirus (human),

replication/transformation, review 2284.

serotypes, late mRNA splicing, comparison 5945.

transforming DNA, characterization 4320.

Adenovirus (human) 1,

DNA, fragmentation-restriction endonuclease DNA, adenovirus (human) 1, fragmentation-restriction endonuclease 2619.

Adenovirus (human) 2,

cores proteins, DNA-binding properties 6524.

DNA, accumulation-nucleosomes-like particles, infected HeLa cells 6484.

DNA, complex-*Escherichia coli* RNA polymerase, poly (I), effects on 6410.

DNA, complex-proteins, infected KB cells 3988.

DNA, expression-*Acetabularia* cells 4451.

DNA, hexon gene C-terminus, nucleotide sequence 3723.

DNA, interaction-wheat germ RNA polymerase II 7352.

DNA, localization-*Streptomyces stanfordii* restriction endonuclease cleavage sites 6173.

DNA, nucleosomes-like subunits 4321.

DNA, occurrence-5'-terminus proteins 6533.

DNA, restriction endonuclease EcoRI fragments, mapping 6172.

DNA, mRNA coding regions/leaders sequence junction, nucleotide sequence 2618.

DNA, termini, nucleotide sequence 6170.

DNA, termini inverted repeat, nucleotide sequence 6169.

DNA, transcription-RNA polymerase III, fidelity-human/mice/amphibians, cells 7358.

DNA, transcription-RNA polymerase III, infected HeLa cells, in vitro 3900.

DNA-binding protein mRNA, precursors, splicing patterns 5372.

DNA biosynthesis, infected HeLa cells/CHO cells,

aphidicolin, effects on 7132.

DNA biosynthesis, role-DNA polymerase α /DNA polymerase γ 3916.

DNA content, transformed hamsters cell lines, analysis, methodology 6935.

DNA-proteins complex, assays 1796.

DNA replication 5540.

DNA replication, role-DNA polymerase γ 4510.

DNA 5'-terminus, binding-early infection proteins products 6532.

early RNA, regulation 3019.

early mRNA, restriction endonuclease EcoRI fragments, mapping 3105.

early mRNA, 5'-terminus caps, characterization 4774.

endonuclease, cleavage specificity/mechanisms 6382.

fibres mRNA, spliced structure 1470.

hexons mRNA, 5'-terminus non-coding regions, nucleotide sequence 4775.

hybrids-SV40, mRNA, leader sequence, role-translation 1934.

infected HeLa cells, RNA biosynthesis initiation 3007.

infected HeLa cells, RNA chains termination sites, 5,6-dichloro-1- β -D-ribofuranosylbenzimidazole, effects on 6002.

infected HeLa cells, RNA/proteins, comparison-cytoplasmic/nuclear polyribosomes 5947.

late RNA (heterogeneous nuclear), structure 5946.

late mRNA, 5'-terminus, nucleotide sequence 3535.

poly (A)-containing RNA biosynthesis 893.

related RNA, occurrence-normal human tissues 4149.

mRNA, hybridization-complementary DNA, hybrids purification, chromatography 6768.

mRNA, leaders segments, nucleotide sequence analysis, use-cloned complementary DNA 4776.

mRNA, nucleotide sequence mapping 855.

mRNA, processing 2484.

RNA, purification, methodology 3526.

RNA biosynthesis, regulation 3578.

RNA caps 5'-terminus/promoters nucleotide sequence, comparison 2452.

mRNA formation, RNA splicing 1935.

RNA initiation sites, mapping, use-radiation (u.v.) 4319.

mRNA 5'-terminus caps, guanine (7-methyl)/adenine (N⁶-methyl) containing, antibodies recognition 5948.

RNA transcription, review 4012.

structural protein genes, regulation 2155.

SV40 hybrids, DNA, characterization 3726.

temperature-sensitive mutant, high molecular weight DNA biosynthesis, infected KB cells 6269.

temperature-sensitive mutations, localisation 2621.

transcription, 5,6-dichloro-1- β -D-ribofuranosylbenzimidazole, effects on 4211.

transcription termination 4805.

transcription unit, termination sites 5992.

transformed cell lines, embryos, rats, mRNA metabolism 3623.

Adenovirus (human) 4,

DNA sequence, human tumours analysis 5005.

Adenovirus (human) 5,

benzo(a)pyrene diol-epoxide derivatives induced damage, DNA repair, excision, human fibroblasts 441.

deletion mutant, biosynthesis-early mRNA 7109.

DNA, localization-*Streptomyces stanfordii* restriction endonuclease cleavage sites 6173.

DNA, temperature-sensitive mutations, mapping 2622.

DNA, transforming fragments, nucleotide sequence 6171.

DNA replication, role-DNA polymerase γ 4510.

DNA replication in vitro 3794.

- DNA/RNA sequence, detection-transformed embryo cells, human kidney 4867.
- DNA transcription, transformed cell lines 1979.
- infected HeLa cells, proteins-DNA association, in vitro 4562.
- infected human cells/cell-free system, translation, ionic strength, effects on 5338.
- infected KB cells, occurrence hosts + viruses DNA cotranscripts 892.
- intracellular DNA, termini, bound proteins detection 7469.
- N methyl-N'-nitro-N-nitrosoguanidine-induced damage, host cell reactivation, human brain tumour cells 6314.
- temperature-sensitive mutant, DNA, infected KB cells, characterization 6175.
- temperature-sensitive mutant, DNA replication in vitro 425.
- temperature-sensitive mutant, RNA accumulation 1508.
- temperature-sensitive mutant, RNA biosynthesis, regulation-DNA-binding protein 3607.
- temperature-sensitive mutant/host range mutants, DNA, mapping 2620.
- transforming regions, transcription-transformed cell lines, rats 2985.
- Adenovirus (human) 8**, replication, inhibition-uridine (trifluoro) 2695.
- Adenovirus (human) 12**, DNA, transcription regions, mapping 1003.
- DNA, transformed rats cell lines, transforming sequence analysis 7043.
- DNA biosynthesis initiation, gene 401 function, requirement 4382.
- DNA fragments, transformation-rats cells 5595.
- DNA replication, incorporation-uracil 6270.
- mRNA, isolation-infected/transformed cells, translation in vitro 4236.
- RNA biosynthesis during infection, KB cells, gene mapping 5944.
- transformed cells, monkeys/rats/mice, chromatin/ribosomes proteins adenovirus (human) 12/murine sarcoma virus, transformed cells, monkeys/rats/mice, chromatin/ribosomes proteins phosphorylation 1265.
- Adenovirus (human) 13**, replication, inhibition-uridine (trifluoro) 2695.
- Adenovirus (human) 19**, replication, inhibition-uridine (trifluoro) 2695.
- Adenovirus (simian) 7**, DNA, transcription/replication, infected cells, monkeys 4383.
- Adenovirus (simian) 38**, DNA, physicochemical properties 4949.
- DNA, physicochemical properties/restriction endonuclease maps 6174.
- Adenylyl-(3',5')-Adenosine phosphate**, proflavine complex, structure, X-ray diffraction 1380.
- Adenylyl-(3',5')-Cytidine**, binding-ribonuclease I, spectroscopy (u.v.) 2175.
- interaction-ribonuclease S 501.
- Adenylyl-(3',5')-Uridine**, dimethyl derivatives/nucleotides, conformation, n.m.r. 3427.
- Adoxophyes orana**, nuclear polyhedrosis virus, DNA, characterization, comparison-*Barathra brassicae* 3742.
- ADP**, N⁶-alkylthiomethyl derivatives, synthesis 116.
- complex-manganese, n.m.r. 119.
- coordination-glycyl-tyrosine-palladium complex 5784.
- electrophoresis, metals, effects on 3392.
- interaction-copper/manganese/lanthanide, n.m.r. 5301.
- mitochondria, heart, rats, transport kinetics 6627.
- mitochondria, regulation-DNA replication, S phase, 3T6 cells 5070.
- restricted analogues, effects on adenine nucleotides transport, mitochondria 1368.
- ADP (benzo)**, linear, physical properties 117.
- linear, probe-enzymes binding sites 126.
- ADP (etheno)**, reaction-mesitoic acid, products, fluorescence properties 2344.
- ADP arabinoside**, inhibition-*Escherichia coli* ribonucleoside-diphosphate reductase 4055.
- dADP**, interaction-copper/manganese/lanthanide, n.m.r. 5301.
- Adrenalone**, aromatic reductiones, double-stranded breakage-DNA, HeLa cells/RFL cells chromatin/phage λ 358.
- Adrenocortical cells**, cattle, DNA biosynthesis regulation 6329.
- Adrenocorticotropin**, mRNA, mice, complementary DNA fragments cloning/sequence analysis 5523.
- Adriamycin**, analogues, intercalation-A-form/B-form DNA 7013.
- binding-DNA/polynucleotides, role-metals 4268.
- complex-DNA, preparation 3665.
- derivatives, effects on DNA damage/DNA biosynthesis, human lymphoblastic cells 6963.
- effects on DNA repair/DNA replication, heart cells, rats 6295.
- inhibition-deoxyribonuclease I, role-DNA intercalation 3234.
- inhibition-RNA polymerase II activity/RNA biosynthesis, leukaemia cells, chickens 5627.
- Aedes aegypti**, DNA polymerase levels during development 1192.
- spermatozoa, DNA content 320.
- Aedes albopictus**, cells, detection-double-stranded RNA, immunofluorescence 229.
- cells, Sindbis virus production/cytopathogenesis, inhibition-ribavirin 3399.
- cells, Sindbis virus RNA biosynthesis, methionine deprivation, effects on 4192.
- cloned cells, characterization-Semliki forest virus defective-interfering particles RNA 4171.
- DNA methylation 6870.
- West Nile virus/Uganda S virus RNA biosynthesis 1947.
- Aeromonas**, DNA homology 5507.
- Aeshna cyanea**, larvae, DNA biosynthesis, *a*-ecdysone/ β -ecdysone, effects on 5024.
- Aflatoxin B1**, binding-DNA 2046.
- DNA adducts, identification, human bronchus/colon 5456.
- Drosophila melanogaster** rRNA gene mutagenesis, mechanisms 2045.
- inhibition-DNA biosynthesis, *Bacillus thuringiensis* 4414.
- inhibition-DNA biosynthesis, mitochondria, liver, mice 3831.
- modification-DNA 346.
- mutagenesis/DNA binding/adducts formation, *Salmonella typhimurium* 4270.
- Agaricus bisporus**, nuclei, RNA polymerase, inhibition-amatoxins 3254.
- RNA polymerase II, purification/characterization 4491.
- Agarose gels**, use-DNA extraction 2026.

Agave cantala,

3'-nucleotidase/pyrophosphatase/phosphatase/ribonuclease, resolution-chromatography (column) 3271.

Age,

effects on, DNA methylation, cattle 1102.

effects on, mitomycin/ethyl methanesulphonate/N-acetoxy-2-acetylaminofluorene induction-sister chromatid exchange, human fibroblasts 1780.

effects on bleomycin induction-DNA biosynthesis, nuclei, liver, rats 3818.

effects on chromatin structure, nuclei, liver, rats 5219.

effects on chromatin structure/distribution, *Triturus cristatus* cartilage cells 617, 2255.

effects on chromatin structure organization, tissues, mice 7432.

effects on DNA, mitochondria, liver, rats, assay 3653.

effects on DNA base composition, hepatocytes, nuclei, rats 410.

effects on DNA biosynthesis, regenerating liver, rats 457.

effects on DNA content, brain/testis/ovary, rats 1549.

effects on DNA polymerase α stimulation-17 β -oestradiol, uterus, rats 542.

effects on DNA resistance-hydrochloric acid hydrolysis, chromatin, rats 3321.

effects on DNA/RNA content, human brain 7207.

effects on DNA single-stranded breakage/chromosome aberrations, hepatocytes, mice 2062.

effects on DNA single-stranded regions, brain/liver, mice 6239.

effects on *Drosophila melanogaster* tRNA aminoacylation 5839, 6682.

effects on *Drosophila melanogaster* tRNA isoacceptors patterns 5840.

effects on elongation factor 1, wheat germ 2433.

effects on gene expression, brain/liver, mice 910.

effects on hydrocortisone/corticotropin/hypothalamus regulation-RNA biosynthesis, liver, rats 6832.

effects on mitomycin C-induced sister chromatid exchange, mice/rats 1276.

effects on nucleosides precursors use-DNA biosynthesis, *Triticum* seeds 470.

effects on plasma membranes 5'-nucleotidase, liver, rats 6444.

effects on progesterone induced transcription, oviduct, quails 4591.

effects on protein biosynthesis, cell-free system, liver/brain, rats 6706.

effects on radiation (u.v.) induced DNA repair, human fibroblasts 2119.

effects on radiation (u.v.)-induced DNA repair, human leucocytes 7177.

effects on RNA biosynthesis, liver, rats 3035.

effects on RNA/DNA content/protein biosynthesis, testis, rats 839.

effects on tRNA function, liver, rats 6678.

effects on RNA polymerase activity, heart, mice 3252.

effects on RNA polymerase activity, liver/brain, mice 517.

effects on RNA-RNA 28S ratio, mice 1996.

effects on mRNA utilization, *Helianthus tuberosus* tubers 2546.

effects on single-stranded DNA content, liver, mice 3775.

Agrobacterium,

Ti plasmid, DNA homology 3094.

Agrobacterium radiobacter,

agrocin 84, effects on *Agrobacterium tumefaciens* DNA biosynthesis 5028.

plasmids, characterization 4865.

Agrobacterium tumefaciens,

deoxyribonuclease I/restriction endonuclease/DNA-unwinding protein, effects on-plasmids/plants DNA 1169.

DNA biosynthesis, *Agrobacterium radiobacter* agrocin 84, effects on 5028.

mutants, Ti plasmid DNA, identification/restriction endonuclease mapping 4933.

octopine/nopaline Ti plasmid, DNA homology 4309.

plasmid Ti DNA, transfer/expression-plants 7252.

plasmids, characterization 4865.

R factor RP4 transfer-*Escherichia coli* 2151.

Ti plasmid, DNA transfer, review 5714.

Ti plasmid, induction-crown gall 5097.

Ti plasmid, nif gene vectors 5096.

transformed plant cells, DNA transfer/expression 1132.

Agrocin 84,

Agrobacterium radiobacter, effects on *Agrobacterium tumefaciens* DNA biosynthesis 5028.

Akodon,

DNA, characterization 6237.

AKR cells,

embryos, mice, DNA, AKR leukaemia virus isolation following transfection 1688.

hydroxyurea induction-exogenous murine leukaemia virus, involvement-DNA repair 5046.

mice, detection-AKR leukaemia virus-specific RNA 5922.

AKR leukaemia virus,

isolation following DNA transfection, AKR cells, embryos, mice 1688.

RNA, nucleotide sequence, homology-mink cell focus-inducing virus 5373.

specific RNA, AKR cells, mice, detection 5922.

 β -Alanine,

derivatives, interaction-dCMP/dAMP/dGMP 1367.

Albumin,

genes, quantitation, normal tissues/carcinogenesis, rats 3655.

genes, serum, rats, clones sequence analysis 6243.

ribonucleoprotein (messenger), liver cytosol, fasting rats, identification 2235.

mRNA, content, liver, chickens, oestrogen, effects on 3011.

mRNA, content, normal/diabetes, liver, rats, relationship-albumin biosynthesis rats 2539.

mRNA, distribution, liver, rats, fasting, effects on 924.

mRNA, levels, liver, rats, growth hormone/hypophysectomy, effects on 3591.

mRNA, liver, chickens, translation-wheat germ lysates/*Xenopus laevis* oocytes 6069.

mRNA, liver, chickens/ducks, purification 843.

mRNA, liver, mice, purification/characterization 6805.

mRNA, polyribosomes, liver, rats, purification/quantitation during development 6922.

Aldosterone,

effects on protein biosynthesis, intestine, rats 1419.

Alfalfa mosaic virus,

coat protein mRNA, requirements-cowpea protoplasts infection 2007.

coat protein subunits, effects on RNA structure 870.

infected *Nicotiana*, RNA polymerase (RNA-dependent), properties 3903.

infected *Nicotiana tabacum*, RNA translation 2532.

RNA, sequence homology 3550.

RNA, 5'-terminus nucleotide sequence 4175.

RNA, translation-mRNA-dependent reticulocyte lysate cell-free system 6064.

RNA interaction-coat protein, transitions enthalpy 5679.

RNA 4, 3'-terminus, binding-coat protein 1479.

RNA 4, 3'-terminus fragments, base pairs structure, coat

Alfalfa mosaic virus,(continued)

protein, effects on 4782.

Alkaline phosphatase,

biosynthesis, *Escherichia coli*, induction, temperature effects 1889.

biosynthesis, *Escherichia coli* polyribosomes, association-membranes 1787.

induction-uridine (bromodeoxy), HeLa cells, role-DNA biosynthesis 5065.

Alkaloids,

inhibition-protein biosynthesis translocation, review 1319.

Vinca rosea, properties, review 3352.

Alkylating agents,

interaction-*Torula* RNA, n.m.r. 2981.

N-Alkyl-N-Nitrosoureas,

effects on DNA biosynthesis, normal bone marrow/small intestine epithelium cells/melanoma cells, mice 6293.

Allium,

DNA, properties 3137.

Allium cepa,

cells, uridine (bromodeoxy)-substituted DNA, radiation, cell cycle mapping 6046.

DNA, uracil (bromo)-substitution, photosensitivity, effects on 4906.

DNA/chromosomes, characterization 3791.

meristem, mitosis, cytosine arabinoside, effects on 3402.

RNA biosynthesis inhibition, effects on chromosomes structure/activity 1285.

rRNA 18S/rRNA 25S, homology-*Vicia* 4803.

roots, DNA biosynthesis, *Zephyranthes robusta* extracts/haemanthamine/lycorine, effects on 7219.

Allium sativum,

cytokinesis, guanosine (deoxy), effects on 5288.

Allomyces macrogynus,

mitospores, occurrence-mRNA 5926.

Alphavirus,

RNA/RNA biosynthesis, review 2889.

Aleromonas espejiana,

deoxyribonuclease, use-probes, closed circular superhelical DNA secondary structure 3888.

Alytes obstetricans,

DNA biosynthesis during metamorphosis 2687.

Amanita muscaria,

nuclei, RNA polymerase, inhibition-amatoxins 3254.

Amanita phalloides,

nuclei, RNA polymerase, inhibition-amatoxins 3254.

 α -Amanitin,

effects on interferon superinduction-poly (I-C), human fibroblasts 1869.

effects on nonhistone proteins, liver, rats 3956.

effects on protein biosynthesis, embryos, mice, during development 4707.

effects on RNA biosynthesis, mice embryos 287.

effects on RNA biosynthesis/protein biosynthesis,

Drosophila melanogaster 901.

inhibition-cucumber pale fruit viroid RNA replication, infected protoplasts, tomatoes 4197.

Amanitins,

use-RNA biosynthesis/RNA polymerase studies, viruses, review 1309.

Amatoxins,

inhibition-RNA polymerase, *Amanita phalloides* /*Amanita muscaria* /*Agaricus bisporus* /*Achlya ambisexualis* nuclei 3254.

Amines,

interaction-DNA, thermodynamics 4286.

Amino acid sequence,

substitution, relationship-nucleotide sequence substitution, evolution 2949.

Amino acids,

see also **specific acids**

analogues, injury, human fibroblasts-like cells, effects on DNA biosynthesis 5560.

deprivation, effects on DNA biosynthesis, BHK-21 cells 5576.

deprivation, effects on rRNA biosynthesis/protein biosynthesis, *Saccharomyces cerevisiae* 4832.

deprivation, Friend erythroleukaemia cells, response-tRNA levels 5837.

derivatives, bases-containing, synthesis 15.

derivatives, interaction-nucleotides, n.m.r. 1855.

effects on DNA biosynthesis, lymphocytes, guinea-pigs 3188.

effects on growth, tRNA (leucyl) synthetase temperature-sensitive mutant/revertants, CHO cells 4691.

effects on protein biosynthesis, hepatocytes, rats 1421.

interaction-nucleosides, specificity 2915.

role-RNA biosynthesis, prebiotic reactions 906.

Amino acids (aromatic),

copolymers-lysine, interaction-DNA 5471.

Amino acids (branched-chain),

effects on polyribosomes turnover, muscles, rats, following fasting 6735.

Aminoacetoneitrile,

inhibition-1,2-dimethylhydrazine DNA alkylation, liver/kidney, rats 4899.

9-Aminoacridine,

complex-DNA, structure 3077.

effects on DNA packaging, phage T4 heads 3722.

interaction-cytidylyl-(3',5')-guanosine guanylyl-(3',5')-cytidine, energetics 6639.

interaction-DNA 2048.

interaction-DNA, fluorescence 6966.

Aminobenzacridine,

interaction-DNA 2048.

 γ -Aminobutyric acid,

effects on tRNA aminoacylation, protein biosynthesis cell-free system, brain, mice 5328.

6-Amino-7-Chloro-5,8-Dioxoquinone,

inactivation-*Escherichia coli* tRNA (leucyl) synthetase 3460.

2-Aminoethylisothiuronium bromide,

effects on radiation (X)-induced DNA single-stranded/double-stranded breaks, L cells 6998.

6-Aminohexanol,

UMP derivatives, synthesis, methodology 5305.

3-Amino-1-Methyl-5H-Pyridol 4,3-b]Indole,

binding-DNA, rats liver microsomes mediated 6988.

4-Aminomethyl-4,5',8-Trimethylpsoralen,

use-RNA (heterogeneous nuclear) cross-linking-globin mRNA, erythroblasts nuclei, ducks 5396.

cross-linking-poly (I.C)/rRNA 16S 5810.

Aminooxyacetate,

effects on protein biosynthesis, hepatocytes, rats 1421.

 α -Aminophosphonous acids,

substrate specificity-*Escherichia coli* tRNA (valyl) synthetase/tRNA (methionyl) synthetase 778.

 β -Aminopropionitrile,

effects on isoproterenol-induced DNA biosynthesis, tissues, mice 7202.

2-Aminopyridine,

pyrimidine (2-alkyl) rearrangement 6571.

AminopyrineN-Demethylase,

activity, hepatocytes, mice, effects on, poly(I-C) 743.

Aminoquinoline,

stacking interaction-purines/pyrimidines 25.

Aminoquinones,

DNA strands breakage, Ehrlich ascites tumour cells 362.

Amiprophos methyl,effects on tubulin mRNA, *Chlamydomonas reinhardtii* 2535.**Ammonia,**activation-protein biosynthesis, *Strongylocentrotus purpuratus* eggs, mechanisms 4704.inactivation-*Escherichia coli* ribosomal subunit 30S 6741.inhibition-protein biosynthesis/meiosis, *Saccharomyces cerevisiae* 789.**Ammonium sulphate,**

effects on RNA biosynthesis capacity, nuclei/chromatin, liver, rats 1997.

Amoeba proteus,

chromosomes, associated small nuclear RNA, identification 1486.

DNA content during interphase 4259.

Amoebae,

RNA association-chromatin 302.

AMP,N⁶-alkylthiomethyl derivatives, synthesis 116.

2'(3')-aminophosphonic esters, inhibition-tRNA (valyl) deacylation 1879.

analogues, inhibition-tRNA (aminoacyl) synthetase 2388.

analogues, spin probes, synthesis 5781.

complex formation-pyrene 2923.

complex-iron, preparation/structure 4651.

conformation studies 1859.

conformational analysis 6620.

effects on phosphates deficiency, *Spirodela* 6056.effects on ribonuclease biosynthesis, *Penicillium brevicompactum* 303.

electrophoresis, metals, effects on 3392.

interaction-ribonuclease I, spectroscopy (u.v.) 1707.

interaction-spermidine, n.m.r. 4053.

methyl derivatives, spectroscopy (Raman) 5757.

reaction-hypochlorous acid 5300.

solutions, relaxation time 6619.

dAMP,interaction- β -alanine derivatives 1367.**3'-AMP,**

analogues, interaction-ribonuclease I, n.m.r. 3885.

AMP (8-Azido),

synthesis 5780.

AMP (benzo),

linear, physical properties 117.

linear, probe-enzymes binding sites 126.

AMP (8-Bromo),

complex-ribonuclease S, structure 4479.

interaction ribonuclease I, spectroscopy (u.v.) 1707.

AMP (cyclic),

analogues, effects on protein biosynthesis,

pheochromocytoma cells, rats, comparison-nerve growth factor 6710.

content, mice, spleen, radioprotective agents, effects on 3833.

control-dihydrofolate dehydrogenase mRNA abundance,

methotrexate-resistant 3T6 cells 4252.

effects on lactose operon/galactose operon polarity, *Escherichia coli* 6853.

effects on RNA biosynthesis/protein biosynthesis,

mitochondria, myocardium, rats 2519.

effects on RNA release, liver nuclei, rats 2001.

inhibition-DNA biosynthesis, regenerating liver, rats 2133.

modification, effects on DNA repair, radiation (u.v.)

induction-skin carcinoma, mice 3173.

stimulation-protein biosynthesis, reticulocyte lysate 2970.

stimulation-RNA biosynthesis, ovary, rats 1511.

AMP (cyclic) phosphodiesterase,

induction, 3T3-L cells, uridine (5-bromodeoxy), effects on 2342.

AMP (8,2'-S-Cyclo-5'-),

X-ray crystallography 5779.

AMP (dibutylryl cyclic),

effects on avian sarcoma virus-specific RNA biosynthesis, infected embryo fibroblasts, chickens 900.

effects on chromatin phosphorylation/proteins content, salivary gland, rats 2859.

AMP (etheno),

reaction-mesitoic acid, products, fluorescence properties 2344.

AMP (8-Methyl),

X-ray crystallography 4054.

AMP (N⁶-Monobutylryl-cyclic),

effects on RNA biosynthesis, cartilage, embryos, chickens 6033.

AMP (8-Oxo),

complex-ribonuclease S, structure 4479.

AMP (8-Thio),

complex-ribonuclease S, structure 4479.

AMP (tyrosinyl),binding-*Escherichia coli* tRNA (tyrosinyl) synthetase 4697.**AMP arabinoside,**

adenine arabinoside monophosphate, poxvirus/herpesvirus infection 723.

effects on herpes simplex virus 1 infection, mice 1846.

AMP deaminase,

ATP + liposomes, effects on 3273.

erythrocytes, chickens, inhibition-tetraiodofluorescein 1220.

erythrocytes, chickens, purification/characterization 1221.

AMP 6-N-(6-Iodoacetamido-n-Hexanoyl),

synthesis 118.

AMP nucleosidase,*Azotobacter vinelandii*, inactivation-phosphates, kinetics 553.**d-Amphetamine,**

inhibition-protein biosynthesis, brain, rats 189.

Amphidinium carterae,

DNA, characterization 6223.

Amphotericin B,

effects on membrane-bound ribosomes, kidney, dogs 5358.

methyl ester, effects on encephalomyocarditis virus RNA infectivity 3628.

stimulation-uridine transport/DNA biosynthesis/RNA biosynthesis, fibroblasts 2734.

Ampicillin resistance,*Escherichia coli*, plasmid pBR322 genes, nucleotide sequence 374.**Amylase,**

mRNA, biosynthesis, pancreas, rats, development,

dexamethasone/uridine (5-bromodeoxy), effects on 903.

mRNA, pancreas, rats, tissues specificity/accumulation,

during development, embryos 4184.

 α -Amylase,precursors, *Triticum aestivum* aleurone layer cells,

biosynthesis-mRNA dependent reticulocyte lysate cell-free system 5866.

mRNA, pancreas, rabbits, translation-wheat embryo cell-free system, products analysis 4248.

Anabaena cylindrica,

DNA/RNA content, nucleotide peptide, effects on 2128.

endodeoxyribonuclease, purification/characterization 6398.

- Anabaena oscillarioides**,
sequence-specific restriction endonuclease, isolation/
characterization 5618.
- Anabaena variabilis**,
chromosomes, DNA, physicochemical properties 3764.
DNA repair, radiation (u.v.)-induced damage/
photoreactivation 7151.
- Anacystis nidulans**,
DNA repair, phage T4 DNA apurinic sites, cell-free system
2702.
DNA repair, thymine dimers, induction-radiation (u.v.)/
photoreactivation 2108.
plasmids, DNA homology-*Synechococcus cedrorum* 3700.
ribonuclease, characterization 7311.
mRNA half-life, relationship-growth rate 3030.
- Anaemia (megaloblastic)**,
effects on human lymphocytes DNA replication 7218.
- Anaesthetics**,
effects on sister chromatid exchange, CHO cells 7453.
- Anaplasma marginale**,
DNA biosynthesis/protein biosynthesis, erythrocytes culture,
cattle 2096.
- Andean potato latent virus**,
genomes RNA, templates-reverse transcription, products
characterization 7121.
RNA homology-eggplant mosaic virus/turnip yellow mosaic
virus 873.
- Androgens**,
see also **Testosterone, etc.**
effects on RNA metabolism, mammary gland carcinoma,
mice 4206.
effects on RNA polymerase I/RNA polymerase II activity,
RNA biosynthesis, prostate, rats 4489.
receptors, binding-chromatin, prostate, rats, role-DNA 6491.
regulation-poly (A) containing mRNA translation, prostate,
rats, wheat germ cell-free system 4096.
- Aneides**,
nucleolus organizer region localization 6517.
- Angelicin**,
photosensitization, CV-1 cells, DNA repair, assay 2716.
- Angiotensin**,
structural gene, DNA, oligonucleotides synthesis 2030.
structural gene, DNA, synthesis, fragments ligation, DNA
ligase 2037.
structural gene, DNA, synthesis, sequence analysis 2036.
structural gene, DNA fragments, synthesis 2029, 2031, 2032,
2033, 2034, 2035.
- Anguilla anguilla**,
DNA biosynthesis, during seawater adaptations 5058.
- Anions**,
binding-protonated cytosine/guanine 680.
- Anthelmintic**,
inhibition-protein biosynthesis, mechanisms 4727.
- Antheraea eucalypti**,
rRNA, hybridization-DNA, comparison-*Bombyx mori* 4791.
- Antheraea pernyi**,
wings, epidermis, RNA polymerase I/RNA polymerase II,
purification/characterization 2198.
wings epidermis, RNA polymerase activity during
development, ecdysone, effects on 3248.
- Antheraea polyphemus**,
chorion mRNA translation-wheat germ cell-free system,
inhibition-guanosine (7-methyl) antibodies 7400.
- Anthridiol**,
stimulation-protein biosynthesis, *Achlya ambisexualis* 1417.
- Anthracyclines**,
degradation-nuclear DNA, Ehrlich ascites tumour cells 4887.
interaction-DNA, voltammetry/polarography 1574.
interaction-DNA/chromosomes 2049.
- Anthralin**,
inhibition-radiation (u.v.)-induced DNA repair, L1210 cells
1092.
- Anthramycin**,
damage/DNA repair, mechanisms, normal/xeroderma
pigmentosum fibroblasts, human 3167.
induced DNA repair, *Saccharomyces cerevisiae*,
mechanisms 3157.
- Antibiotic resistance**,
determinants, translocation, *Salmonella ordonez* 5105.
kanamycin, transposons, transfer-*Rhizobium leguminosarum*
3851.
- Antibiotics**,
see also **specific compounds**
aminoquinone, binding-DNA, hydroxyl radicals formation,
role-degradation 5453.
binding constants, DNA, determination 6099.
effects on DNA biosynthesis, in vitro, colon, rabbits 1087.
effects on DNA restriction endonuclease fragments,
electrophoretic mobility 4937.
effects on phage T4 polynucleotide ligase oligo (dT)
polymerization 4670.
effects on phage 2C DNA duplication/recombination 7106.
inhibition-protein biosynthesis, *Escherichia coli*, relationship-
polyribosomes binding 2959.
susceptibility-peptidyltransferase, ribosomes, mitochondria,
cattle 4737.
- Antibodies**,
N-acetyl-2-acetylaminofluorene-modified DNA,
characterization 4532.
adenosine (N⁶-benzyl), binding-cytokinins, specificity 5176.
adenosine (N⁶-(Δ^2 -isopentenyl), properties 578.
anti-DNA, radioimmunoassay, methodology 2225.
anti-nuclear ribonucleoproteins, use-isolation/
characterization-nuclear ribonucleoproteins, human serum
5192.
ATP (N⁶-(Δ^2 -isopentenyl)), use-characterization-*Escherichia*
coli tRNA modification-deficient mutant 7401.
baboon endogenous virus DNA polymerase (RNA-
dependent), characterization 5654.
Bacillus subtilis DNA polymerase III, applications 5153.
bisulphite + O-methylhydroxylamine-modified DNA, use-
structure analysis 7406.
DNA, N-acetoxy-2-acetylaminofluorene-modified,
purification/properties 580.
DNA, activity, immunoglobulin G, human serum 5653.
DNA, ammonium sulphate assays, evaluation 3936.
DNA, assays 1241, 5652.
DNA, assays, systemic lupus erythematosus, use-ethidium
bromide fluorescence 3937.
DNA, assays, systemic lupus erythematosus 4528.
DNA, assays, systemic lupus erythematosus pleural effusion
5186.
DNA, detection, human *Plasmodium falciparum* infection
6456.
DNA, detection, systemic lupus erythematosus 1240, 6457,
7408.
DNA, detection-haemagglutination (passive)/haemolysis
2228.
DNA, determination, serum, human psoriasis 6459.
DNA, human systemic lupus erythematosus,
immunochemical characterization 7405.
DNA, induction-*Bordetella pertussis*, mice 5188.
DNA, production, normal/autoimmune mice 6460.
DNA, relationship-subepidermal immunoglobulins deposits,

Antibodies,(continued)

systemic lupus erythematosus 4530.
 DNA, serum content, systemic lupus erythematosus, diagnosis 1754.
 DNA, systemic lupus erythematosus, binding properties 3938.
 DNA, systemic lupus erythematosus, purification/characterization 3935.
 DNA, use-connective tissue diseases diagnosis, children 2830.
 DNA complex, stability, systemic lupus erythematosus 3286.
 DNA/RNA, detection-human multiple sclerosis/subacute sclerosing panencephalitis 2229.
 double-stranded DNA, assays, human hepatitis (chronic active)/cirrhosis 2829.
 double-stranded DNA, assays, methodology 4529.
 double stranded DNA, detection, methodology 579, 3285, 6461.
 double-stranded DNA, human systemic lupus erythematosus, detection, methodology 5651.
 double-stranded DNA, levels, systemic lupus erythematosus 6458.
 double-stranded DNA, radioimmunoassay 7409.
 double-stranded RNA, measurement-systemic lupus erythematosus hospitals, personnel 2827.
 formation, oligo (dT), rabbits 2824.
 genes, arrangement, chromosomes, mice 2871.
 GMP (7-methyl), rabbits, isolation/characterization 5177.
 guanosine (7-methyl), inhibition-*Antheraea polyphemus* chorion mRNA translation-wheat germ cell-free system 7400.
 Krebs II ascites cells components, inhibition-encephalomyocarditis virus-induced RNA polymerase (RNA-dependent) activity 3907.
 modified DNA, characterization 4531.
 native DNA, identification-cryoglobulinaemia 1753.
 oligo (A), characterization 3932.
 phage T2, lymphosarcoma, rats, induction-infected spleen RNA 6899.
 poly d(A-T), characterization, reaction-oligonucleotides/DNA 1751.
 poly (ADP-ribose), induction-poly (A-U), rabbits 2823.
 poly (ADP-ribose), occurrence-systemic lupus erythematosus 5178.
 poly (ADP-ribose) monomer, formation/characterization 2222.
 poly (X.U), serum, rabbits, specificity 6454.
 poly(I-C), interaction-polynucleotides 155.
 purines/pyrimidines/nucleosides, properties, use-nucleotides conformation determination 4524.
 reactivity-N-acetoxy-2-acetylaminofluorene-modified guanosine 5649.
 recognition-native/alkali-hydrolyzed guanosine (7-methyl) 4526.
 ribonucleoprotein (ribosomal), detection, human connective tissue diseases 6462.
 ribosomes, HeLa cells, detection-human liver diseases 7402.
 RNA polymerase II stimulation factors, inhibition-Ehrlich ascites tumour cells RNA biosynthesis 6883.
 RNA/rRNA, systemic lupus erythematosus, specificity 7404.
 single-stranded DNA, occurrence-antinuclear antibody-negative patients 7407.
 single-stranded DNA, use-hepatitis diagnosis 1752.
 single-stranded DNA/double-stranded RNA, occurrence, diabetes 5185.
 spermatozoa, spermDNA polymerase/C-type virus DNA polymerase (RNA-dependent) 3288.
 uridine (5-bromodeoxy)/uridine (5-iododeoxy), characterization 4525.

Antigens,

antigen t, coding, DNA segments, BK virus, nucleotide sequence 3727.
 antigen K 88, determinants, *Escherichia coli*, cloning/mapping/expression 3874.
 antigen T, high molecular weight, SV40, biosynthesis-cell free system 2397.
 antigen T, polyoma virus, translation in vitro 2396.
 antigen T, mRNA, SV40, translation-cell-free system 5339.
 antigen T, stimulation-DNA biosynthesis, SV40 temperature sensitive mutant 1667.
 antigen T, SV40, association-nucleoproteins complex 3291.
 antigen T, SV40, binding-single-stranded DNA 4914.
 antigen T, SV40 deletion mutant, DNA nucleotide sequence analysis 5506.
Autographa californica nuclear polyhedrosis virus, stimulation-DNA biosynthesis, human lymphocytes 3840.
 histocompatibility antigens, heavy chains/light chains mRNA, lymphoblastoid cell lines, translation-cell-free system 5437.
 lipopolysaccharides, *Escherichia coli*, immune response, association-DNA biosynthesis 2735.
 nuclear antigen, Epstein-Barr virus, stimulation-transcription, human cell lines 5419.
 RNA, isolation/characterization, polyribosomes, liver, rats 3933.
 small t antigen, regions, identification-SV40 DNA coding sequence 2158.
 stimulated human lymphocytes, DNA coding-specific antibodies 7289.
Antipain, effects on radiation (X)-induced sister chromatid exchange, C3H cells, mice 5226.
Antisera, chromatin, HeLa cells-specific 3289.
Antiviral agents, see also **specific compounds**
 C-nucleosides thiazole derivatives, synthesis 1353.
 poly (I-C)/poly (G-C), Venezuelan equine encephalitis virus 3438.
Antiviral protein, mRNA analysis, comparison-interferon 4851.
Aphidicolin, effects on DNA biosynthesis, adenovirus (human) 2-infected HeLa cells/CHO cells 7132.
 effects on DNA biosynthesis/DNA polymerase α /DNA polymerase β /DNA polymerase γ activity, HeLa cells 5049.
 inhibition-DNA polymerase, cytosol, liver, rats 1193.
 inhibition-DNA repair, HeLa cells 5563.
Apis mellifera, chronic bee paralysis, ribonuclease, effects on 3220.
 pheromones, inhibition-*Escherichia coli* tRNA methyltransferase 5838.
Apodemus flavicollis, satellite DNA, restriction endonuclease mapping, comparison-*Apodemus sylvaticus* 6238.
Apodemus sylvaticus, satellite DNA, restriction endonuclease mapping, comparison-*Apodemus flavicollis* 6238.
Aprotinin, effects on RNA biosynthesis, liver, rats, following partial hepatectomy 4837.
Arabinosides, see also **Specific compounds**, synthesis 1832.
Arbacia punctulata, embryos, DNA replication unit size 7082.
 histones mRNA, occurrence, association-transcription 935.

- Arginyl-glutamic acid**, complex-guanine 6558.
- Artemia salina**, elongation factor I, binding-tRNA (phenylalanyl), role-guanine nucleotides 3507.
- elongation factor I, interaction-ribosomes 4135.
- embryos, membranes-associated poly (A) containing ribonucleoproteins, characterization 3940.
- embryos, occurrence-guanosine 5'-diphospho-5'-guanosine/guanosine 5'-triphospho-5'-adenosine 121.
- embryos, ribonuclease, purification/characterization 2775.
- haemoglobin mRNA, absence during gastrulae development 6914.
- larvae nuclei, RNA polymerase II, aurintricarboxylic acid, effects on 7348.
- nucleoproteins complex, detection-electron microscopy 6467.
- polyribosomes, light scattering, pressure, effects on 6721.
- protein biosynthesis, elongation, inhibition-modeccin 1922.
- ribosomal protein L12, purification/characterization 4111.
- ribosomes, binding-tRNA (aminoacyl), ricin/modeccin, effects on 2963.
- ribosomes, physical properties 1436.
- ribosomes, polypeptides chains release factors, purification/characterization 4703.
- ribosomes, purification, methodology 1435.
- RNA-binding protein, characterization 7462.
- RNA polymerase II, stimulators, characterization 7355.
- Arthrobacter**, DNA homology 4962.
- Arthrobacter crystallopoietes**, plasmids DNA, characterization 4928.
- Aryl hydrocarbon hydroxylase**, activity, effects on DNA binding-benzo(a)pyrene, liver, rats 2577.
- Ascaris lumbricoides**, eggs, purine nucleotides content, association-development 722.
- RNA content during development 2976.
- Ascaris suum**, DNA, characterization/reassociation kinetics 4359.
- Ascites cells**, DNA biosynthesis/RNA biosynthesis, purine (9- β -ribofuranosyl), effects on 280.
- ribosomal subunit 60S, phosphoprotein Ly, characterization 814.
- sarcoma, mice, actin mRNA, translation efficiency/stability 6078.
- Ascites hepatoma**, DNA, mitochondria, primary structure, comparison-rats liver 413.
- Ascites tumour cells**, DNA, pyrimidines rich regions, distribution 5006.
- mice, DNA biosynthesis, detergent, effects on 443.
- mice, DNA biosynthesis/DNA repair, bleomycin, effects on 3816.
- mice, ribosomes profiles, growth conditions, effects on 6750.
- Ascorbic acid**, effects on DNA biosynthesis, tumours, cell lines 2143.
- effects on RNA metabolism, *Hordeum*, following dark germination 4824.
- effects on sister chromatid exchange, CHO cells/human lymphocytes 7451.
- Aspartic acid**, derivatives, role-uracil synthesis 6563.
- Aspergillus**, cytosine (5-fluoro) antifungal activity 5266.
- ribonuclease II, inhibition-iron (III) 2177.
- Aspergillus foetidus virus AfV-S**, double-stranded RNA, semi-conservative transcription 269.
- Aspergillus foetidus virus S**, double-stranded RNA, transcription 2485.
- Aspergillus nidulans**, DNA, purification 2018.
- DNA degradation, induction-radiation (u.v.) 6991.
- mitochondria DNA fragments, cloning 5109.
- pyr mutant, DNA labelling 2554.
- repetitive DNA content 3761.
- Aspergillus niger**, DNA biosynthesis/RNA biosynthesis/protein biosynthesis, during conidia development 4215.
- exo-1,4- α -glucosidase mRNA, stability, membrane-bound polyribosomes-associated 2467.
- ribonuclease, detergents, effects on 6384, 6385.
- Aspergillus oryzae**, nuclease O, use-DNA nucleotides mapping 3124.
- nuclease S1, cleavage sites, avian sarcoma-leucosis virus DNA intermediates 2768.
- nuclease S1/ribonuclease T1, analysis-Rous sarcoma virus RNA 2459.
- single-stranded regions-specific nuclease, purification/properties 6378.
- Asterina amurensis**, ovary, tRNA Met, nucleotide sequence 6672.
- Asticcacaulis**, DNA homology 2076.
- Astragalus bisulcatus**, tRNA, isolation/characterization 5323.
- Ataxia telangiectasia**, cells, DNA repair, bleomycin, effects on 5047.
- human, endonucleases activity 1702.
- ATP**, N⁶-alkylthiomethyl derivatives, synthesis 116.
- complex-cobalt, inactivation-*Escherichia coli* tRNA (methionyl) synthetase 5334.
- coordination-glycyl-tyrosine-palladium complex 5784.
- effects on AMP deaminase 3273.
- effects on tRNA (aminoacyl) synthetase chromatography (affinity) 2387.
- electrophoresis, metals, effects on 3392.
- inhibition-calf thymus DNA nucleotidylexotransferase 2803.
- interaction-manganese, n.m.r./e.s.r. 6621.
- interaction-metals, spectroscopy (Raman) 5783.
- labelled, preparation 5302.
- manganese complex, e.s.r./n.m.r. 1856.
- mitochondria, heart, rats, transport kinetics 6627.
- pools, regulation-DNA replication, S phase, 3T6 cells 5070.
- regeneration, effects on translation errors frequency 5857.
- restricted analogues, effects on adenine nucleotides transport, mitochondria 1368.
- role-RNA transport, nuclei, liver, rats, in vitro 3632.
- role-vesicular stomatitis virus RNA biosynthesis initiation in vitro 4195.
- self-stacking, n.m.r. 93.
- solutions, relaxation time 6619.
- structure, X-ray crystallography 2346.
- dATP**, diastereoisomers, use-*Escherichia coli* DNA polymerase I reaction mechanisms determination 7369.
- effects on tRNA/RNA 5S biosynthesis, nuclei 6881.
- manganese dependent inhibition-DNA nucleotidylexotransferase, mechanisms 6432.
- 2'-dATP**, inhibition-polynucleotide adenyltransferase, liver, rats, mechanisms 5148.

- 3'-dATP**,
inhibition-calf thymus DNA nucleotidyltransferase 2803.
inhibition-polynucleotide adenyltransferase, liver, rats,
mechanisms 5148.
- ATP (8-Azido)**,
photolabile, synthesis 113.
synthesis 2922.
- ATP (benzo)**,
linear, physical properties 117.
linear, probe-enzymes binding sites 126.
- ATP (3'-Deoxy)**,
inhibition-plants RNA polymerase (RNA-dependent) in vitro
RNA biosynthesis 1188.
inhibition-tobacco mosaic virus/cowpea chlorotic mottle
virus RNA polymerase (RNA-dependent) RNA biosynthesis
4492.
- ATP (epoxy)**,
inactivation-*Escherichia coli* DNA polymerase I 537.
- ATP (etheno)**,
reaction-mesitoic acid, products, fluorescence properties
2344.
- ATP (6-N-(6-Iodoacetamido-n-Hexanoyl))**,
synthesis 118.
- ATP (N⁶-(Δ^2 -Isopentenyl))**,
antibodies, use-characterization-*Escherichia coli* tRNA
modification-deficient mutant 7401.
- ATP (1-Thio)**,
isomers, synthesis/configuration 5782.
- ATP arabinoside**,
effects on tRNA/RNA 5S biosynthesis, nuclei 6881.
inhibition-calf thymus DNA nucleotidyltransferase 2803.
inhibition-DNA polymerase α /DNA polymerase β , calf
thymus 2799.
- ATP phosphoribosyltransferase**,
kinetic isotope effects 549.
- Atrazine**,
effects on DNA biosynthesis/RNA biosynthesis, *Lemna
minor* 3193.
- Atropine**,
effects on DNA biosynthesis, stomach mucosa, rats, role-
gastrin 5025.
- Aurintricarboxylic acid**,
effects on chromatin structure 2857.
effects on RNA polymerase II, nuclei, larvae, *Artemia salina*
7348.
inhibition-protein biosynthesis, wheat-germ cell-free system
4711.
- Auromomycin**,
induced strands breaks, DNA biosynthesis, lymphoblastoma
cells, mice 7182.
- Autoantibodies**,
induction-xenogeneic thymus RNA, mice 2828.
production, radiation-treated mice, DNA, effects on 3287.
- Autographa californica**,
nuclear polyhedrosis virus, antigens, stimulation-DNA
biosynthesis, human lymphocytes 3840.
nuclear polyhedrosis virus, DNA, characterization 7055.
nuclear polyhedrosis virus, DNA, mapping 3743.
nuclear polyhedrosis virus, DNA, restriction endonuclease
analysis 1598.
nuclear polyhedrosis virus DNA, restriction endonuclease
mapping 6187.
- Autoimmunity**,
plaque-forming cells, response single-stranded-DNA in vitro,
mice 2226.
plaque-forming cells response-single-stranded DNA,
regulation in vitro, mice 2224.
- Autoradiography**,
+ electron microscopy, *Lilium longiflorum* chromosomes
DNA biosynthesis during meiosis 7221.
Crepis capillaris seedlings chromosomes DNA replication
7220.
Escherichia coli nucleoids chromosomal subunits structure
6507.
- Auxins**,
effects on rRNA accumulation, *Helianthus tuberosus* 4823.
effects on RNA biosynthesis/protein biosynthesis, *Zea mays*
coleoptiles 2509.
effects on RNA polymerase activity, *Nicotiana* callus 4486.
effects on RNA polymerase/chromatin templates activity,
Glycine max hypocotyls 2192.
induction-RNA polymerase interaction-chromatin, *Glycine
max* hypocotyls 2193.
regulation-transcription, ribonuclease biosynthesis, beans
4825.
- Avena sativa**,
coleoptile, poly (A) containing RNA, occurrence-5'-terminus
caps 4801.
protoplasts, ribonuclease activity, polyamines, effects on
1153.
- Avian erythroblastosis virus**,
effects on globin mRNA biosynthesis, erythroblasts, chickens
270.
RNA 30S, transforming components-specific sequence 6775.
- Avian leucosis virus**,
DNA polymerase (RNA-dependent), comparison-
endogenous/exogenous 2804.
endogenous, linkage-genomes, chickens cells 3106.
endogenous/exogenous, genomes mapping 1936.
envelope glycoprotein mRNA, precursors, identification
1939.
genomes, integration sites, DNA, infected embryo cells,
chickens 5607.
- Avian leucosis virus MC29**,
RNA 28S, characterization 4163.
transformation genes, nucleotide sequence 1593.
- Avian myeloblastosis virus**,
core protein, relationships-DNA polymerase (RNA-
dependent) polypeptides 1204.
DNA-binding protein, endodeoxyribonuclease activity 1289.
DNA biosynthesis initiation, oligo (dC) binding sites
mapping 4373.
DNA polymerase + associated ribonuclease H, DNA
synthesis 7364.
DNA polymerase (RNA-dependent), allosteric properties
4514.
DNA polymerase (RNA-dependent), associated
endonuclease, characterization 7322.
DNA polymerase (RNA-dependent), endonuclease activity
5159.
DNA polymerase (RNA-dependent), inhibition-pyridoxal-5'-
phosphate, tRNA Trp, effects on 5834.
DNA polymerase (RNA-dependent), inhibition-sodium
pyrophosphate 1739.
DNA polymerase (RNA-dependent), isolation/
characterization 3920.
DNA polymerase (RNA-dependent), role-mutagenesis 6435.
DNA polymerase (RNA-dependent), transcription-cowpea
mosaic virus RNA 3267.
DNA polymerase (RNA-dependent), transcription-
Escherichia coli rRNA 16S, kinetics 7379.
DNA polymerase (RNA-dependent), use-Sindbis virus

- Avian myeloblastosis virus.(continued)**
 complementary DNA biosynthesis 546.
 DNA polymerase (RNA dependent) associated ribonuclease H, inhibition RNA 1160.
 DNA polymerase activity, zinc, effects on 3911.
 nucleoside triphosphatase, characterization 1218.
 plasma, DNA polymerase, assays 7366.
 RNA, isolation 5369.
 RNA biosynthesis/DNA biosynthesis, transformed cells, actinomycin D/daunomycin, effects on 2107.
 RNA 35S, binding tRNA Trp, liver, cattle, role-DNA polymerase (RNA dependent) 7381.
 virions, RNA biosynthesis, relationship-reverse transcription 3569.
- Avian myelocytomatosis virus,**
 chickens, recombination-Rous associated virus, genomes nucleotide sequence analysis 6358.
 RNA, structure, electron microscopy 2989.
 tumorigenesis genes nucleotide sequence detection-chickens fibroblasts DNA 7098.
- Avian myelocytomatosis virus MC29,**
 genomes RNA, mapping 4164.
 RNA, specific sequence, comparison-Mill Hill 2 virus 4777.
- Avian reticuloendotheliosis virus,**
 DNA polymerase (RNA dependent), characterization, comparison-Friend leukaemia virus/avian myeloblastosis virus 2807.
 DNA polymerase (RNA dependent)-deficient/positive, RNA, characterization 3543.
 transformed bone marrow cells, chickens, ribonucleoproteins complex, isolation/characterization 2231.
- Avian sarcoma-leucosis virus,**
 DNA intermediates, *Aspergillus oryzae* nuclease S1 cleavage sites 2768.
- Avian sarcoma virus,**
 DNA, integration-infected cells, review 670.
 DNA, integration-transformed fibroblasts, chickens/ducks/quails 2759.
 DNA, purification-infected QT6 cells, methodology 3059.
 DNA, restriction endonuclease mapping 2623.
 DNA polymerase (RNA dependent), tRNA Trp role-primers, structure requirement 4080.
 gag gene/pol gene products, protein biosynthesis 3045.
 genomes, integration sites, DNA, infected embryo cells, chickens 5607.
 genomes, 5'-terminus, transposition-mRNA 1471.
 genomes 5'-terminus complementary DNA, DNA polymerase (RNA dependent) elongation, Triton X-100, effects on 6436.
 production, infected embryo cells, chickens, cytidine (5-methyl), effects on 3403.
 replication defective, DNA polymerase (RNA dependent), binding-tRNA (tryptophanyl) 2208.
 restriction, Marek's disease virus transformed lymphoid cell lines 1686.
 specific mRNA, polyribosomes, infected-chickens cells, characterization 6904.
 specific RNA biosynthesis, infected embryo fibroblasts, chickens, AMP (dibutyl cyclic), effects on 900.
 src gene, proteins, identification 2156.
 src gene nucleotide sequence, occurrence-uninfected vertebrates 946.
 src gene translation/proteins characterization 2004.
- Azaserine,**
 DNA damage, pancreas, rats 4902.
- Azidochloramphenicol,**
 use ribosomes photoaffinity labelling, *Escherichia coli* 2406.
- Azotobacter vinelandii,***
 AMP nucleosidase, inactivation-phosphates, kinetics 553.
 DNA/chromosomes, characterization/comparison-*Escherichia coli* 7060.
 DNA repair, radiation (u.v.)-induced damage 7135.
- Baboon endogenous virus,**
 DNA polymerase (RNA dependent) antibodies characterization 5654.
- Bacillus,***
 DNA base composition 2638.
 DNA homology, electrophoresis 3109.
 DNA segregation/septation, review 2286.
 vegetative cells/spores, RNA polymerase, purification/characterization 1722.
- Bacillus amyloliquefaciens,***
 DNA (cytosine-5-)-methyltransferase, sequence specificity 1225.
 proteinase mRNA biosynthesis, regulation 1966.
 restriction endonuclease Bam H1, purification/characterization 5139.
 restriction endonuclease BamNx, digestion-phage ϕ 105C DNA, recognition sequence determination 7327.
 restriction endonuclease/DNA ligase, isolation/characterization 3235.
- Bacillus anthracis,***
 DNA homology-*Bacillus cereus* /*Bacillus thuringiensis* 4336.
- Bacillus brevis,***
 DNA (cytosine-5-)-methyltransferase, sequence specificity 1225.
 poly (A)-containing RNA, isolation/characterization 842.
 sporulation, regulation-gramicidins, inhibition-DNA-RNA polymerase binding 1723.
- Bacillus caldolyticus,***
 restriction endonuclease BclI, purification/characterization 1716.
- Bacillus cereus,***
 DNA homology, *Bacillus anthracis* /*Bacillus thuringiensis* 4336.
 isolation-plasmids DNA 4879.
 ribosomal subunits, isolation 2404.
- Bacillus globigii,***
 restriction endonuclease, purification/characterization 3238.
- Bacillus insolitus,***
 ribosomal subunit 30S/ribosomal subunit 50S, isolation, protein biosynthesis activity, temperature, effects on 5868.
- Bacillus intermedius,***
 ribonuclease, amino acid sequence 4473, 7306.
 ribonuclease, purification/characterization 5127.
 ribonuclease, secondary structure, c.d. 4474.
- Bacillus licheniformis,***
 phage DNA, degradation-restriction endonuclease EcoRI 485.
 phages, DNA, characterization 5491.
 phosphatidylserine tRNA, isolation 5822.
- Bacillus megaterium,***
 plasmids, DNA, restriction endonuclease cleavage mapping 4302.
 proteinase mRNA, half-life 3043.
- Bacillus mesentericus,***
 ribonuclease I biosynthesis, exogenous factors, effects on 3223.
- Bacillus polymyxa,***
 sporulation, occurrence-poly (A) containing RNA 4757.

***Bacillus popilliae*,**

plasmids DNA, isolation/characterization 7241.

***Bacillus rossius*,**

endonuclear bodies, RNA biosynthesis/DNA biosynthesis 421.

***Bacillus sphaericus*,**

DNA (cytosine-5)-methyltransferase/restriction endonuclease, purification/characterization 1714.

***Bacillus stearothermophilus*,**

DNA, resistance-N-methyl-N-nitrosourea/radiation (γ)/radiation (u.v.) induced damage 3810.

DNA biosynthesis/degradation 2679.

elongation factor Tu, binding-GDP, role-sulphydryl groups 5360.

elongation factor Tu, properties, magnesium, effects on 4745. endonuclease, isolation 2779.

protein biosynthesis, inhibition-ochratoxin A 1887.

protein biosynthesis inhibition factor, purification/characterization, role-ribosomes stability 204.

restriction endonuclease, purification/properties/specificity 3240.

ribosomal subunit 30S/ribosomal subunit 50S, c.d. 194.

ribosomal subunit 50S, ribosomal protein BL17,

crystallization 6711.

ribosomes, peptidyltransferase sites, ribosomal protein B-L3, chemical modification 1900.

tRNA (arginy)l synthetase, ATP consumption 5331.

tRNA (asparaginy)l synthetase/tRNA (lysyl) synthetase/

tRNA (seryl) synthetase/tRNA (valyl) synthetase, purification/characterization 1882.

tRNA (valyl) synthetase, reaction mechanisms 5856.

tRNA(methionyl) synthetase, reaction mechanisms 5851.

tRNA 5S, secondary structure, temperature effects 2464.

stringent factors, purification/characterization 5893.

***Bacillus subtilis*,**

chromosomes, integration-phase ρ 11 DNA, methodology 6354.

chromosomes-membranes association 7454.

chromosomes/*Staphylococcus aureus* R factors DNA replication, hydroxyurea, effects on 3175.

cloned replicons, replication/gene expression 5078.

dCMP deaminase, purification/characterization 565.

DNA, cross-linking-nitrogen mustard, transformation, effects on 3682.

DNA-binding protein, isolation/properties, inhibition-deoxyribonuclease 6525.

DNA biosynthesis 1062.

DNA biosynthesis, stimulation-deoxyribonuclease 5616.

DNA biosynthesis temperature-sensitive mutant, phase SPP1/phase ϕ 29 replication 2694.

DNA integration, association-transformation, mechanisms 479, 1690.

DNA-membranes complex, DNA repair, N-methyl-N-nitrosourea, effects on 4396.

DNA-membranes complex, purification 2876.

DNA polymerase, phase PBS2 induced, characterization, exonuclease activity 2370.

DNA polymerase, phase PBS2-induced, purification/characterization 2795.

DNA polymerase III, antibodies, applications 5153.

DNA polymerase III, relationship-phase PBS2-induced

DNA polymerase/uracil-containing DNA replication 3264.

DNA repair, excision, radiation (u.v.)-treated phages 3809.

DNA replication, relationship-sporulation induction 2720.

elongation factor G mutants, suppression-RNA polymerase

mutations 3246.

endonuclease, apurinic sites specific activity, purification/characterization 2780.

evolution, role-genes recombination/selection 7267.

fate-phage ϕ e transfection DNA 2750.

genes recombination during transformation, role DNA methylase 7268.

growth, exogenous deoxyribonuclease, effects on 5134. hosts, DNA cloning 5077.

isolation-ribonuclease I 3884.

mutant, radiation (u.v.)-induced DNA repair 7136.

mutants, DNA replication/repair/recombination, review 3355.

nucleoids, characterization, growth/sporulation 1792.

5'-nucleotidase, characterization 7388.

phage ϕ e DNA, transfection, phosphorus-32 decay, effects on 7256.

phage ϕ 29, DNA, RNA polymerase binding sites/transcription mapping 3709.

phage PBS-2, DNA polymerase/associated exonuclease, characterization 4501.

phage SPO1-modified RNA polymerase, transcription selectivity 5620.

phage SPP1, DNA, mapping/localization replication origins 1588.

phage SPP1, DNA, restriction endonuclease fragments arrangement 4957.

phage SPP1, DNA structure 4945.

phage SPP1, transduction 2154.

phage SPO1, DNA, restriction endonuclease mapping 6160.

phage SP15, dTMP-enriched DNA, production/expression 1643.

phage 2C DNA strands replication, mechanisms 5021.

phages-infected minicells, toluene-treated, DNA biosynthesis 426.

plasmid pHV 400, replication regions, labelling-DNA segments 4443.

plasmids DNA, detection, methodology 2016.

plasmids vectors, construction 6346.

protoplasts, transformation-plasmids DNA 5589.

purine-nucleoside phosphorylase, purification/characterization 1212.

radiation (u.v.), induction-adenine independence reversion 1691.

restriction endonuclease, DNA recognition sequence, localization-methylated nucleotides 3753.

restriction/modification activity 4483.

riboflavin operon, cloning-*Escherichia coli* 2159.

riboflavin operons, amplification-*Escherichia coli* 3213.

ribosomal protein B-L9, amino acid sequence determination, comparison-*Escherichia coli* ribosomal protein L7/L12 5867.

ribosomal subunit 30S/ribosomal subunit 50S, c.d. 194.

tRNA (adenosine-1) methyltransferase, methylation-*Escherichia coli* /yeasts/liver-rats tRNA 783.

RNA, isolation/characterization/binding-oligodeoxythymidylate-cellulose 1462.

tRNA (valyl) synthetase, characterization 1400.

RNA biosynthesis, relationship-sporulation, autoradiography 1965.

tRNA Gly, uridine (5-carboxymethylaminomethyl) occurrence 696.

tRNA Phe aminoacylation, inhibition-ochratoxin A 2393.

RNA polymerase, peptide 21K, role-RNA biosynthesis 521.

RNA polymerase, purification/properties 2196.

RNA polymerase, rifampicin, effects on 3253.

RNA polymerase, sigma factor/delta factor, role-

***Bacillus subtilis*, (continued)**

transcription 7339.

RNA polymerase, subunits composition during transcription 6405.

RNA polymerase, transcription-phage SP82 DNA, sodium chloride, effects on 3606.

self-complementary DNA sequence, characterization 4964.

spore outgrowth, role-DNA biosynthesis 1636.

spores, DNA transcription, asymmetry 3610, 3611.

spores, RNA biosynthesis/protein biosynthesis, dependence-DNA content 4213.

spores/vegetative cells, DNA, temperature effects 1604.

sporulation, induction-nucleotides 727, 1370.

sporulation, induction-purines 2317.

sporulation, role-adenosine hexaphosphate 724, 1369.

sporulation, role-elongation factor G 1449.

sporulation, uracil (6-(p-hydroxyphenylazo)), effects on 50.

sporulation genes, cloning 1692.

temperature-sensitive mutant, RNA biosynthesis 3609.

thiostrepton/micrococci resistant mutant, ribosomal proteins alterations 6712.

thiostrepton resistant mutant, RNA biosynthesis 3014.

transduction, uracil(6-(p-hydroxyphenylazo)), effects on 4027.

transformation, DNA binding-receptors, inhibition-EDTA 1133.

transformation-antibiotic resistance plasmids, characterization/kinetics 4456.

transformation-DNA, mutagenesis 1134.

transformation-*Staphylococcus aureus* plasmid pTP-2 DNA 3204.

transformed, DNA donors-recipients complex 2762.

transforming DNA, β -propiolactone/1,3-propane sultone, effects on 3069.

uvr mutant, pyrimidines dimers excision 7137.

***Bacillus thuringiensis*,**

DNA biosynthesis, inhibition aflatoxin B1 4414.

DNA homology-*Bacillus anthracis* /*Bacillus cereus* 4336.

isolation-plasmids DNA 4879.

phage DNA, degradation-restriction endonuclease EcoRI 485.

plasmids characterization 7240.

plasmids DNA, isolation/characterization 7241.

plasmids DNA, purification/properties 4929.

RNA polymerase, transcription-sporulation-specific mRNA 1502.

Bacteria,see also **various species**

chromosomes, mobilization-plasmids, review 4008.

DNA, purification, methodology 6949.

DNA repair, relationship-mutagenesis, review 6548.

DNA repair pathways, role-mutagenesis 2899.

DNA repair pathways, role-mutagenesis, review 2301.

genes evolution, role-DNA sequence repetition 7266.

genetics, review 5706.

genomes, evolution, review 4595.

oncogenic, DNA base composition 1603.

permeabilized cells, viruses DNA biosynthesis 1069.

protein biosynthesis initiation, tiamulin, effects on 4118.

restriction endonuclease assays 2786.

ribosomal subunits, dissociation/reassociation, pressure, effects on 203.

ribosomes, conformation, streptomycin, effects on 4728.

RNA biosynthesis/protein biosynthesis, regulation, review 4592.

RNA polymerase, transcription initiation, inhibition-liparmycin 4485.

RNA polymerase inhibitors, review 1318.

rRNA sequence relationships, ecology aspects 4786.

***Bacteroides fragilis*,**

plasmids, tetracycline, antibiotic resistance, expression/conjugation mechanisms 6348.

***Bacteroides melaninogenicus*,**

strains, DNA base composition 4963.

***Bacteroides ochraceus*,**

plasmid pGD10, characterization 1112.

Baculovirus,*Tipula paludosa*, DNA, characterization 7044.***Balanoglossus claviger*,**

chromosomes, morphology/DNA content 2863.

BALB/c cells,

C-type virus, activation-herpesvirus DNA 1114.

detection-mammary tumour virus RNA 2435.

mammary gland tumours, urethane/radiation (X)/hormones-induced, mammary tumour virus RNA biosynthesis 6820.

BALB/c3T3 cells,

DNA biosynthesis, control-fibroblasts growth regulation factors 3184.

protein biosynthesis/DNA biosynthesis, magnesium, effects on 7208.

BALB/3T3 cells,

transformation-adenovirus (bovine) 3 DNA fragments 1126.

Balbians rings,*Chiromonus tentans*, RNA 75S, analysis, determination-transcription unit size 2087.***Barathra brassicae*,**nuclear polyhedrosis virus, DNA, characterization, comparison-*Adoxophyes orana* 3742.**Barbiturates,**

effects on DNA physicochemical properties 4299.

Barley stripe mosaic virus,

RNA, detection-poly (A) sequences 2481.

RNA, occurrence-5'-terminus caps 5383.

Base pairs,

complementary, DNA, hydration 367.

complementary, phage ϕ X174, hybridization-synthetic oligodeoxyribonucleotides, errors amber mutant 7033.

hydration 4019.

pairing, models 7015.

Bases,assimilation, *Mycoplasma* /*Acholeplasma* 1816.

interaction, mRNA, 5'-terminus cap structures 242.

interaction-polyaromatic hydrocarbons, micromethods 74.

separation, chromatography (high-performance liquid) 5738.

Bdellovibrio bacteriovorus*,**RNA-ribose metabolism, during growth on *Escherichia coli* 3021.**Bees,Vespa orientalis* venoms deoxyribonuclease activity, effects on 1161.**Beggiatoa,**

growth inhibition-adenine arabinoside/nucleosides 3396.

Benz(a)anthracene,

binding-BHK-21 cells DNA 6982.

derivatives, reaction-calf thymus DNA 6974.

Benzo(a)pyrene,

adducts, effects on DNA biosynthesis, in vitro 4394.

alkylation-DNA/histones, nuclei, liver, rats 2578.

binding-chromatin DNA, nuclei, calf thymus, distribution 5200.

binding-DNA, embryo cells, hamsters, light, effects on 2574.

binding-DNA, epidermis, mice, dose dependency 6975.

binding-DNA, human colon 2576.

binding-DNA, human diploid fibroblasts 2053.

Benzo(a)pyrene, (continued)

binding-DNA, liver, rats, aryl hydrocarbon hydroxylase activity, effects on 2577.

binding-DNA, lung/liver, mice, comparison-in vivo/in vitro 3670.

binding-DNA, mice 2056.

binding-DNA, mice, comparison-strains 4895.

binding-DNA, models systems 5465.

binding-DNA/RNA, mice skin in vivo/rats liver microsomes/nuclei, in vitro 3065.

derivatives, binding-DNA, catalysis-peroxidase 6973.

derivatives, complex-calf thymus DNA, fluorescence 4897.

derivatives, inhibition-SV40 DNA biosynthesis 7134.

derivatives, interaction-DNA 3064.

diol epoxide, adducts-DNA, fluorescence 6971.

diol epoxide, binding-calf thymus DNA, linear dichroism 2575.

diol epoxide, binding-DNA 4275.

diol epoxide, binding-DNA, inhibition-DNA biosynthesis in vitro 6284.

diol epoxide, binding-phage ϕ X174 DNA, infectivity inhibition 5464.

diol epoxide, binding-SV40 DNA, bases specificity 3066.

diol epoxide, formation-DNA adducts, microsomes catalysis, liver, rats, ethoxyquin feeding, effects on 5462.

diol epoxide, interaction-phage ϕ X174 DNA 6106.

diol epoxide, modification-DNA, erythrocytes, ducks, effects on chromatin structure/reconstitution 4894.

diol-epoxide derivatives, induced damage, adenovirus (human) 5, DNA repair, excision, human fibroblasts 441.

diol epoxides, covalent binding-DNA, fluorescence 4896.

diolepoxide, effects on phage MS2 RNA translation/infectivity 4235.

DNA adducts formation, human fibroblasts 5463.

induction-DNA damage, human cells 2051.

metabolites, binding-DNA, embryo fibroblasts, mice 6972.

metabolites, binding-DNA, hepatocytes, 3-methylcholanthrene-treated rats 2055.

metabolites, binding-DNA, human lymphocytes/liver microsomes 3671.

metabolites, binding-DNA, liver, mice, microsomes enzymes inducers, DNA 4274.

metabolites, binding-DNA, liver, rats 1562.

metabolites, binding-DNA, lung, rats 1563.

metabolites, DNA repair, human fibroblasts 7181.

metabolites, induced damage, human cells, DNA repair 1090.

metabolites, microsomes, conjugation-DNA, UDP-glucuronic acid, effects on 5461.

Benzo(a)pyrene (6-Oxy),
solubilization-DNA/cafeine, n.m.r./e.s.r. 2052.

Benzo(a)pyrene hydroxylase,
activity, hepatocytes, mice, effects on, poly(I-C) 743.

Benzyl chloroformate,
adenine reaction products, structure, X-ray crystallography 3364.

BHK cells,
DNA biosynthesis/DNA repair, role-DNA polymerase α /DNA polymerase β , comparison 7375.

enterovirus (bovine)-infected, RNA replication 5403.

herpes simplex virus infected, DNA biosynthesis, role-poly (ADP-ribose) biosynthesis 5541.

histone H1 biosynthesis/DNA biosynthesis, G1 phase 1760.

ribosomal protein S6, phosphorylation 2418.

tRNA (aspartyl), regulation-serum 169.

RNA isolation, chromatography (affinity), use-guanosine (6-thio)/uridine (4-thio) incorporation 4156.

temperature-sensitive mutant, DNA biosynthesis/

chromosomes condensation 2260.

vesicular stomatitis virus + defective-interfering particles-infected, RNA biosynthesis 6828.

vesicular stomatitis virus-infected, RNA biosynthesis 6006.

western equine encephalitis virus infection, DNA polymerase inhibition mechanisms 4503.

BHK-21 cells,

DNA, binding-benz(a)anthracene/3-methylcholanthrene/7,12-dimethylbenz(a)anthracene 6982.

DNA, cytosine (5-methyl) content 3134.

DNA, cytosine (5-methyl) distribution 1630.

DNA biosynthesis, amino acids deprivation, effects on 5576.

herpes simplex virus 1 temperature-sensitive mutant-infected, DNA biosynthesis 1071.

nuclei, DNA biosynthesis, drugs, effects on, comparison-DNA polymerase α /DNA polymerase β catalysis 4426.

protein biosynthesis, inhibition-oligo (A) 3436.

Rous sarcoma virus transformed, proviruses DNA, infectivity 3868.

West Nile virus/Uganda S virus RNA biosynthesis 1947.

Bicarbonate,
carbon-14-containing, incorporation, RNA, *Streptococcus lactis* 1967.

Bilharid,
effects on DNA biosynthesis, *Escherichia coli* 2721.

Bis-(2-Guanidoethyl)-disulphide,
interaction-DNA, conformation, effects on 3686.

1,3-Bis(2-Chloroethyl)-1-Nitrosourea,
effects on DNA biosynthesis, L1210 cells 5561.

effects on DNA repair, *Escherichia coli* 5549.

Bis(10-Methyl)acridinium chloride,
binding/intercalation-DNA 4927.

Bisulphite,
deamination-cytidine, kinetics 1835.

reaction-cytosine (5-hydroxymethyl)/phages DNA 4021.

BK virus,
DNA, antigen T N-terminus coding, nucleotide sequence 3728.

DNA, nucleotide sequence, homology-SV40 4323.

DNA, restriction endonuclease fragments, mapping 3729.

DNA, restriction endonuclease mapping 2074.

DNA, splicing regions, nucleotide sequence 7046.

DNA cleavage, restriction endonuclease, mapping 383.

DNA homology-JC virus/SV40 7045.

DNA segments, antigen t-coding, nucleotide sequence 3727.

genomes, DNA sequence homology, detection/mapping, methodology 6124.

human embryos kidney cells, mRNA, mapping 6776.

transformation-human kidney embryo cells 3866.

Blasticidin S,

mediated resistance, *Phytophthora megasperma* infection, *Glycine max* hypocotyls, role-mRNA biosynthesis/protein biosynthesis 279.

Blastoderm,

embryos, chickens, cardiac-like action potentials, induction-RNA-enriched fractions, heart, adults 301.

Bleomycin,

binding-ColE1 DNA 2579.

biological activity, review 2879.

complexes-metals, effects on DNA, V79 cells 338.

cross-linking-phage PM2 DNA 6964.

DNA breakage, role-microsomes 3666.

effects on chromatin/chromosomes, mammalian cells 2865.

effects on DNA, Ehrlich ascites tumour cells 6965.

effects on DNA, review 4607.

Bleomycin, (continued)

effects on DNA biosynthesis/DNA repair, ascites tumour cells, mice 3816.
 effects on DNA repair, ataxia telangiectasia cells 5047.
 effects on DNA strands breakage 6100.
 effects on satellite DNA replication, fibroblasts, mice 2115.
 fluorescence quenching iron, relationship DNA breakage activity 6092.
 induced chromosome aberrations, CHO cells, DNA repair inhibitors, effects on 5048.
 induced DNA repair, role-DNA polymerase β 3919.
 induction DNA biosynthesis, nuclei, liver, rats, age, effects on 3818.
 induction DNA damage, phage PM2, mechanisms 4267.
 interaction-DNA 2568.
 interaction-DNA, bases, release 2569.
 sequence-specific cleavage DNA 342.
 squamous cell carcinoma treatment, mice, DNA repair 1664.
Blapharisma intermedium,
 DNA biosynthesis, metepa, effects on 6291.
 RNA biosynthesis, metepa, effects on 6019.
Bloom's syndrome,
 fibroblasts, occurrence-hybrid DNA 2022.
 fibroblasts, sister chromatid exchange, hybridization-normal fibroblasts, effects on 6502.
Bluetongue virus,
 genomes, double stranded RNA, structure 4165.
Bombyx mori,
 cytoplasmic polyhedrosis virus, RNA, properties 3536.
 diapause, embryos, occurrence-poly (A)-containing RNA 6762.
 DNA, silk fibroin genes, mapping 399.
 DNA polymerase, purification/characterization 3263.
 DNA/RNA content, development 2130.
 eggs, diapause termination, rRNA biosynthesis relationship-nucleoli size 1521.
 eggs, RNA biosynthesis/content, diapause, effects on 4822.
 eggs, RNA biosynthesis during embryos development 6871.
 elongation factor 1, subunits reassociation 218.
 larvae, histone/nonhistone proteins, characterization 1250.
 larvae, midgut, RNA biosynthesis/nucleic acids, ecdysterone, effects on 3586.
 larvae, nucleosides content, artificial diet 694.
 midgut, chromatin conformations during metamorphosis 7439.
 midgut, RNA biosynthesis during metamorphosis 3621.
 nuclease, use DNA nucleotides mapping 3124.
 ribosomes, isolation/characterization, protein biosynthesis capacity 2953.
 rRNA, hybridization-DNA, comparison-*Antheraea eucalypti* 4791.
 rRNA, size 1491.
 rRNA 18S/rRNA 5-8S/rRNA 28S rRNA gene, mapping 2660.
 silk gland, DNA biosynthesis 5571.
 silk gland, DNA biosynthesis cycles, duration 2685.
 silk gland, DNA biosynthesis/RNA biosynthesis, juvenile hormone analogues, effects on 2105.
 silk gland, DNA/RNA accumulation, relationship-fibroin biosynthesis 2742.
 silk gland, DNA/RNA content 321.
 silk gland, elongation factor 1, effects on ribosomes-dependent dGTPase activity 219.
 silk gland, tRNA, quantitation, electrophoresis 5823.
 silk gland, RNA biosynthesis, mathematical models 6031.
 silk gland, tRNA biosynthesis/aminoacylation/tRNA (aminoacyl) synthetase activity, starvation, effects on 5825.

silk gland, thymidine uptake, rates role-DNA biosynthesis 713.
 silk gland fibroin mRNA, 3'-terminus nucleotide sequence 6799.
 silk gland nuclei, DNA biosynthesis cycles 6323.
 silkgland, tRNA precursors, cleavage-endonuclease 2769.
 spermatocytes, DNA/histones content 2019.
Bone marrow,
 cells, colony stimulating factors, poly (I-C), effects on 159.
 cells, factors, effect on DNA biosynthesis, lymphocytes T 3837.
 cells, human, DNA biosynthesis, homocysteine/methionine/serine/glycine, effects on 459.
 cells, mice, transformation-Friend leukaemia virus, in vitro, spleen focus-forming virus, effects on 4452.
 cells, nuclei, low molecular weight RNA localization 224.
 cells, pigeons, messenger-like RNA, detection/characterization 3558.
 human, DNA nucleotidylexotransferase, assay 4512.
 human, thymidine rescue following methotrexate exposure 5294.
 radiation (γ) effects on thymidine kinase/DNA polymerase/dTMP kinase activity, rats 536.
 rats, thymidine kinase/DNA polymerase/dTMP kinase activity, radiation (γ), effects on 536.
Borate,
 effects on nucleosides conformation, c.d. 3393.
Bordetella pertussis,
 induction-DNA antibodies, mice 5188.
Boron,
 substituted uracil/uridine (2'-deoxy), synthesis/properties 6561.
Botryodiplodia theobromae,
 poly (A) containing RNA, changes during germination 4847.
Bottle-gourd mosaic virus,
 effects on RNA content, *Lagenaria vulgaris* leaves 2501.
Bovine leukaemia virus,
 provirus, DNA sequences, detection, cattle/human/sheep/pigs 2550.
 RNA, translation-heterologous cell-free system 4091.
Bovine rhinotracheitis virus,
 DNA polymerase, inhibition-trisodium phosphonoformate 2796.
Bradykinin,
 structural gene, synthesis 5317.
Brain,
 cats, RNA content, relationship-epileptiform activity 225.
 cattle, cytoplasm/mitochondria, tRNA(glutamyl)synthetase purification/characterization 1883.
 female rats, high molecular weight RNA metabolism 1973.
 mice, 5'-nucleotidase distribution, comparison-adenosinetriphosphatase 558.
 mice, RNA polymerase activity, age, effects on 517.
 nuclei, mice, RNA biosynthesis, cytosol, effects on 288.
 rats, characterization-poly (A)-containing RNA 253.
 rats, DNA biosynthesis/RNA biosynthesis/protein biosynthesis, perinatal methadone, effects on 3835.
 rats, DNA thymidine incorporation, electric shock, effects on 3179.
 rats, nonhistone proteins, characterization 3307.
 rats, protein biosynthesis, inhibition-d-amphetamine 189.
 rats, ribosomes, ethanol ingestion, effects on 4123.
 rats, tRNA (adenine-1)-methyltransferase, methylation-*Escherichia coli* tRNA 767.
 rats, tRNA precursors, methylation 2375.
 regions, rats, poly (A)-containing RNA, nucleotide sequence complexity 2474.

Brain,(continued)

tumours, cells, human, distribution-DNA, nuclei 323.

Brassica nigra,

genomes DNA, comparison-*Phaseolus aureus* /*Phaseolus vulgaris* /iBrassica oleracea 7103.

Brassica oleracea,

DNA polymerase, purification/characterization 7363.

genomes DNA, comparison-*Phaseolus aureus* /*Phaseolus vulgaris* /iBrassica nigra 7103.

RNA polymerase (RNA-dependent), purification/molecular weight determination 3906.

Brassica rapa,

roots tissues, wounds induced ribonuclease, biosynthesis regulation-ethylene 4477.

Brevibacterium,

DNA homology 4962.

Brevibacterium ammoniagenes,

nuclease, characterization, effects on chromatin 5120.

Brevibacterium lactofermentum,

plasmids, isolation/characterization 7025.

Brome mosaic virus,

RNA, infection efficiency, *Hordeum vulgare* 925.

RNA, proteins recognition during in vitro reconstitution 6534.

mRNA, translation-wheat germ cell-free system, inhibition-guanosine caps analogues 6911.

RNA replication, embryos, chickens 4196.

RNA 4, ribosomes binding efficiency 5429.

Bromine,

reaction-uracil derivatives, mechanisms 5731.

Bromoacetanilide,

interaction-adenosine (N⁶-(N-threonylcarbonyl)) 67.

7-Bromomethylbenz(a)anthracene,

adducts-DNA, Chinese hamsters cells, excision repair, inhibition-caffeine 2715.

DNA adducts, excision, normal/DNA repair-defective human cells 2714.

Bromomethylmethoxyxobenzopyran,

interaction-adenosine (N⁶-(N-threonylcarbonyl)) 67.

N-Bromosuccinimide,

modification-*Escherichia coli* ribosomes, protein biosynthesis stimulation 4730.

Bromovirus,

RNA, infection-*Nicotiana tabacum* protoplasts, methodology 2527.

Bronchogenic carcinoma,

treatment, use-DNA complex-daunorubicin/doxorubicin 7234.

Brucella abortus,

infection, mice, poly (A-U), effects on 157, 158.

BSC-1 cells,

rRNA/mRNA, cytidine (5'-aza), effects on 3401.
small circular DNA, isolation/characterization 412.

Bufo bufo,

DNA repetitive sequences 1045.

Bungarus fasciatus,

satellite DNA, W chromosome-associated, condensed, behaviour 3976.

Bunyamwera virus,

defective-interfering particles, characterization 1472.

RNA genomes, comparison-California encephalitis virus/La Crosse virus 6784.

Burkitt's lymphoma,

see also **Lymphoma**

cells, integration-Epstein-Barr virus genomes DNA 7262.

occurrence-Epstein-Barr virus RNA, coding, DNA, analysis 3733.

Burns,

effects on human serum/urine ribonuclease (alkaline) activity 495.

Bursaria truncatella,

DNA, characterization 7071.

2,3-Butanedione,

inactivation-purine-nucleoside phosphorylase 3269.

N-Butyl-N-nitrosourea,

induction-leukaemia, chromosomes, rats 636.

Butyric acid,

effects on histones acetylation/chromatin transcription, brain, rats, relationship-ageing 5660.

C.d.,

actinomycin D-deoxynucleotides interaction 1830.

Bacillus intermedius ribonuclease secondary structure 4474.

Bacillus stearothermophilus /*Bacillus subtilis* /*Escherichia coli* ribosomal subunit 30S/ribosomal subunit 50S 194.

calf thymus chromatin, radiation (u.v.), effects on 6495.

calf thymus/*Clostridium perfringens* /*Escherichia coli* /

Micrococcus luteus DNA, conformation 6198.

calf thymus DNA, methylmercury, effects on 6245.

chromatin, lymphoblastoid cells, during proliferation/quiescence 2858.

deoxyribonuclease I conformation, ethanol, effects on 512.

DNA, proflavine intercalation-induced 5476.

DNA complex-poly (lysyl-aminoacyl-alanyl) 1559.

DNA condensed from ethanol solutions 4925.

DNA conformation, nucleosomes, erythrocytes, chickens 1049.

DNA-dyes complex 3668.

DNA secondary structure 2597, 3689.

DNA-spermine interaction 359.

Escherichia coli ribosomal protein S4 structure 1425.

Escherichia coli ribosomal proteins, rRNA binding, effects on 807.

euchromatin/heterochromatin, liver, rats, comparison 5203.
haemoglobin mRNA structure 879.

histone H1 subfragments, interaction-DNA 3948.

netropsin-DNA complex 2571.

nucleosides conformation, borate, effects on 3393.

nucleotides binding-actinomycin D 120.

oligo (A) 5800.

phage F2 double-stranded RNA structure 4161.

poly (A) 4065.

poly d(A-G-G)-d(C-C-T), comparison-poly.d(A-A-G)-d(C-T-T) 153.

potato spindle tuber viroid RNA, interaction-ethidium bromide 4802.

purines helix formation-complementary pyrimidines polynucleotides 4668.

ribonuclease S', N-terminus, conformation 1709.

turnip rosette virus RNA 874.

C-type particles,

DNA polymerase (RNA-dependent), stabilization-egg yolk fluid 5641.

C-type virus,

see also **Oncornavirus**

BALB/c cells, activation-herpesvirus DNA 1114.

DNA, integration-Bevi gene, man cell hybrids 2753.

DNA polymerase (RNA-dependent), sperm-spermatzoa antibodies 3288.

genomes characterization, mice, DNA/RNA hybridization 4325.

hamsters, DNA polymerase (RNA-dependent),

C-type virus,(continued)

- characterization 6434.
 induction-uridine (5-iododeoxy), embryo cells, human lung 2919.
Macaca arctoides, related sequence, occurrence-carnivores DNA 4257.
 mice, DNA sequence, restriction endonuclease analysis 4326.
 N-tropic/B-tropic/N-.B-tropic, RNA sequence determination 2990.
Vandeleuria oleracea, isolation, DNA characterization 4324.
C-type virus (gibbon),
 strains, genomes homology 2454.
C-type virus (murine),
 specific DNA sequence, detection 6084.
Cadang-cadang disease virus,
 RNA, characterization 6777.
Cadmium chloride,
 complex formation-nucleosides 81.
Caedobacter,
 DNA sequence homology 2639.
Caenorhabditis elegans,
 ageing, uridine (5-fluorodeoxy), effects on 4048.
 DNA, nucleotide sequence changes during development/evolution 4986.
 repetitive DNA sequences, arrangement 2083.
 tRNA genes, cloning/expression-*Xenopus laevis* oocytes 3218.
Caesium,
 cations, location-DNA B-form, X-ray crystallography 6953.
Caffeine,
 DNA complex, deuterium n.m.r. 2039.
 effects on DNA biosynthesis, spontaneous/urethan-induced lung tumours, mice 442.
 effects on host cell reactivation, radiation (u.v.)-treated herpes simplex virus 7133.
 effects on radiation (u.v./radiation (γ)) induced DNA repair, *Escherichia coli* 7144.
 effects on RNA biosynthesis/protein biosynthesis, *Neurospora crassa* 6027.
 inhibition-DNA repair, mitomycin C-induced damage, human lymphocytes 2121.
 inhibition-excision repair-7-bromomethylbenz(a)anthracene-DNA adducts, Chinese hamsters cells 2715.
 treated, CHO cells/V-79 cells, DNA biosynthesis, radiation (X), effects on 2118.
Caffeine (8-Bromo),
 inhibition-radiation (X)-induced single-stranded breakage, DNA repair, mammalian cells 439.
Catrina domestica,
 DNA sequence organization 3771.
Calcium,
 deprivation, 3T3 cells, inhibition-DNA biosynthesis, magnesium, effects on 465.
 distribution, hepatoma cells, during sodium pyruvate-induced DNA biosynthesis 1678.
 effects on DNA biosynthesis/RNA biosynthesis/protein biosynthesis, Novikoff hepatoma/normal liver cells 2730.
 effects on histone H1-poly (ADP-ribose) complex formation 603.
 effects on viruses/mitochondria, yeasts, RNA, translation-*Escherichia coli* cell-free system 4855.
 role-pH effects on deoxyribonuclease I, pancreas, cattle 511.
 stimulation-ribonuclease activity, mammary gland, rats 2773.
Calcium-binding protein,
 mRNA, biosynthesis, intestine, chickens, stimulation-1,25-dihydroxycholecalciferol 1983.

Calcium ethylenediaminetetraacetic acid,
 effects on DNA biosynthesis, intestine, rats 1101.

Calf thymus,

- chromatin, deoxyribonuclease I sensitivity, acetyl adenylate, effects on 1776.
 chromatin, histones cores complex, characterization 3298.
 deoxyribonucleoproteins, ionic strength, effects on 1794.
 deoxyribonucleoproteins, isolation/characterization 1757.
 DNA, binding-acridine/10-methylacridine 967.
 DNA, binding-chloroquine/quinacrine, comparison 4282.
 DNA, binding-spermine (bis(methidium)) 1576.
 DNA, conformation, c.d. 6198.
 DNA, molecular weight/conformation, ultrasonication/radiation (γ), effects on 5003.
 DNA, physical properties 2670.
 DNA, radiation (γ)-treated, radioprotection-superoxide dismutase/cysteine/glutathione 3073.
 DNA nucleotidyltransferase, purification-chromatography (affinity) 544.
 DNA polymerase, purification/characterization 2802.
 DNA polymerase α /DNA polymerase β , inhibition-ATP arabinoside 2799.
 DNA unwinding protein-DNA interaction 2271.
 histones, characterization/biological properties 1254.
 histones-nonhistone proteins complex, characterization 1766.
 low molecular weight peptides, interaction-DNA 6095.
 nonhistone proteins, conformational analysis/interaction-DNA 6473.
 nuclei, high mobility group nonhistone proteins, acetylation 1259.
 ribonuclease H, purification, methodology 506.
 rRNA gene, isolation/organization 4882.
 RNA polymerase II, interaction-SV40 double-stranded DNA, comparison-wheat germ 7353.
 RNA polymerase II, transcription-polyoma virus DNA 1186.
 satellite DNA, repetitive sequence organization 1053.
 satellite DNA, restriction endonuclease EcoRI/restriction endonuclease AluI fragments, nucleotide sequence 1626.
 thymosin $\alpha 1$ mRNA, translation-wheat germ cell-free system 4249.
 uracil-DNA glycosylase, isolation/characterization 6453.
California encephalitis virus,
 RNA genomes, comparison-California encephalitis virus/Bunyamwera virus 6784.
Calliphora erythrocephala,
 salivary gland, RNA/mRNA biosynthesis/turnover 5995.
 salivary gland, rRNA/RNA 5S/RNA 4S biosynthesis, regulation 1994.
 wing discs, DNA biosynthesis 6263.
Calliphora vicina,
 calliphorin mRNA, translation/analysis 313.
 DNA, size/nucleotide sequence 2661.
 larvae, calliphorin mRNA, purification/reverse transcription 6067.
Calliphorin,
 mRNA, *Calliphora vicina*, translation/analysis 313.
 mRNA, *Calliphora vicina* larvae, purification/reverse transcription 6067.
Calorimetry,
 adenosine dinucleotide base stacking 4052.
Camptothecin,
 effects on interferon superinduction-poly (I-C), human fibroblasts 1869.
 inhibition-DNA biosynthesis, SV40 3803.
Canavanine,
 inhibition-influenza A virus ribonucleoproteins assembly 5190.

Cancer pagurus,

deoxyribonuclease, sedimentation constants 6397.

Candida albicans,

DNA biosynthesis, inhibition-cytosine (5-fluoro) 5736.

growth inhibition-adenine arabinoside/nucleosides 3396.

Candida tropicalis,

occurrence-microbodies-associated DNA 2555.

Candida utilis,

rRNA 5S structure, detection-guanine residues 1950.

Candida utilis,

tRNA, Y base, properties 2936.

Cantharidin,

effects on DNA content, epidermis cells, mice 7200.

Caps,

analogues, effects on mRNA translation, *Xenopus laevis* oocytes 2536.

analogues, inhibition-globin biosynthesis, reticulocyte lysate, rabbits 3471.

analogues, inhibition-mRNA translation, reticulocyte lysate 2948.

GMP (7-methyl)-containing, mRNA, metabolism, eye lens cells, chickens 6034.

Capsicum annuum,

leaves, polyribosomes content/protein biosynthesis, photoperiod changes 4099.

Capsids,

influenza A virus, association-chromatin, infected cells 5678.

Carassius auratus,

optic tectum, RNA distribution following labelled uridine injection 305.

retina, RNA biosynthesis/RNA transport, cordycepin, effects on 1993.

retina, RNA metabolism, association-optic nerve regeneration 1520.

Carbamoyl-phosphate synthetase,

biosynthesis, ribosomes, liver, rats 5861.

mRNA, liver, *Rana catesbeiana*, translation-rabbits reticulocytes/thyroxine induction 6917.

Carbohydrates,

induced glucose-6-phosphate dehydrogenase mRNA biosynthesis, liver, rats 291.

Carbon tetrachloride,

cytotoxicity, effects on polyribosomes, rats 1915.

damage, effects on DNA biosynthesis/RNA biosynthesis, rats 5575.

effects on DNA biosynthesis, liver, rats 449.

effects on tRNA (aminoacyl) synthetase activity, liver, rats 6686.

Carboquone,

treatment, AH-109A cells, DNA damage/recovery 356.

 γ -Carboxyglutamic acid,

occurrence, *Escherichia coli* /wheat germ ribosomes 1903.

Carboxymethylcellulose,

modification-poly (I-C), effects on interferon induction 1384.

Carcinogenesis,

relationship-genetic control mechanisms, review 5693.

relationship-mutagenesis 2743.

relationship-mutagenesis, review 2302.

Carcinogens,

see also **specific compounds**

effects on DNA biosynthesis, microsomes, liver, mice 5045.

effects on DNA conformation, review 4577.

induced, DNA single-stranded breakage, rats, assays 347.

induced damage/DNA repair, screening, methodology 3807.

induced DNA damage, liver, mice, evaluation 6970.

induction-DNA cross-linking-proteins, mammalian cells 6107.

induction-DNA repair, HeLa cells 1091.

test, DNA repair, cell culture, hepatocytes 1662.

treated phage ϕ X174, DNA biosynthesis inhibition sites 6285.

treated retina ganglion cells, rats, DNA repair, relationship-age 3162.

Carcinoma,

see also **specific types**

cell lines, human, DNA-containing particles, characterization 4263.

cells, human, ribonucleoproteins, nucleotide sequence analysis 7417.

human cervical, DNA distribution 5446.

mammary gland, mice, RNA metabolism, androgens, effects on 4206.

Carminic acid,

derivatives, interaction-DNA 6119.

Carminomycin,

induction-single-stranded DNA breakage, tumours 962.

Carnation mottle virus,

RNA, translation-wheat germ cell-free system, regulation, role-3'-terminus 2486.

Carnivores,

DNA, occurrence-*Macaca arctoides* C-type virus related sequence 4257.

Caseins,

mRNA, content-mammary gland, rats, during gestation/lactation 6012.

mRNA, isolation-normal/tumours, human mammary gland 3522.

mRNA, regulation, mammary gland, rats 276.

Catabolite activator protein,

Escherichia coli, binding-DNA 3663.

Catalase,

biosynthesis, localization-free ribosomes, liver, rats 792.

mRNA, liver, cattle, isolation/translation 4766.

mRNA, liver, rats, translation, haemin/inhibitors, effects 6071.

mRNA, polyribosomes, liver, rats, translation 6920.

mRNA, *Saccharomyces cerevisiae*, translation-cell-free system 5433.

Cations,

see also **specific ions**

effects on nuclease digestion-chromatin, nuclei, liver, rats 6486.

Cattle,

intestine, phosphodiesterase I purification/action mechanisms 570.

liver, purine-nucleoside phosphorylase, purification/characterization 552.

seminal vesicle, ribonuclease, activity, labelling, effects on 2770.

spermatozoa, DNA content 1550.

Cauliflower mosaic virus,

DNA, cloning-*Escherichia coli* 3212.

DNA, restriction endonuclease mapping 6196.

DNA replication, review 2898.

gene mapping, use-cloning vectors, plants 5095.

genome, localization-single-stranded DNA 390.

Caulobacter,

DNA homology 2076.

Caulobacter crescentus,

phage ϕ Cp2, translation-*Escherichia coli* cell-free system 1976.

protein biosynthesis rates during cell cycle 786.

RNA polymerase, poly (A-U) synthesis 6406.

RNA polymerase, transcription-phage fd replicative form

***Caulobacter crescentus*, (continued)**

DNA 6404.

CDP (2',2'-Cyclo-3',5'-),

X-ray crystallography 5787.

CDP reductase,

activity, phytohaemagglutinin-stimulated human lymphocytes 3924.

***Centaurea cyanus*,**

RNA biosynthesis 890.

***Cercopithecus aethiops*,**

kidney cells, DNA biosynthesis, smog extracts, effects on 3180.

Cerebellum,

rats, DNA accumulation rates, relationship-TMP synthetase activity, hypothyroidism, effects on 5545.

Ceruleinin,inhibition-RNA biosynthesis, *Limnaea* embryos 6838.***Chaetopterus*,**DNA biosynthesis/RNA biosynthesis, α -methylornithine, effects on 5570.**Channel catfish virus,**

DNA, restriction endonuclease mapping 6176.

***Chara vulgaris*,**

condensed chromatin content, changes during cell cycle 6494.

Chickens,see also *Gallus domesticus*

axons, tRNA transport 765.

bursa of Fabricius, small circular DNA content/size distribution during development 2664.

calvaria, procollagen mRNA, translation-reticulocyte lysate 1535.

chromatin, transcription, active/inactive regions, fractionation 1774.

DNA, homology-ducks/quails/ostriches 1623.

DNA, ovalbumin genes, cloning 483.

DNA, transfer-embryos 1681.

DNA sequences, amplification, association-cartilage/neural retina differentiation 447.

embryo cells, creatine kinase isoenzymes mRNA, detection 227.

embryo fibroblasts, Rous sarcoma virus-transformed, collagen mRNA biosynthesis 899.

embryos, brome mosaic virus RNA replication 4196.

embryos, low molecular weight DNA ligase, purification/characterization 1224.

embryos, muscle cells, vaccinia virus/herpes simplex virus I DNA replication 1649.

embryos, nucleoside phosphotransferase, purification/characterization 2210.

embryos, RNA polymerase I/RNA polymerase II/RNA polymerase III, purification 1724.

embryos, tendon, tRNA (glycyl), role-collagen biosynthesis 764.

embryos/adults, globin genes, analysis 1622.

erythroblasts, globin mRNA biosynthesis, avian

erythroblastosis virus, effects on 270.

erythrocytes, chromatin structure, review 1333.

erythrocytes, DNA-histones complex, physical properties 602.

erythrocytes, nuclei, DNA biosynthesis reactivation, mice L929 cells cytoplasts, association-cell cycle 2732.

erythrocytes, nucleosomes, conformation, pH/organic solvents, effects on 582.

erythrocytes chromatin, nuclease digestion 612.

liver, 5'-nucleotidase, kinetics 1217.

liver, rRNA 18S/rRNA 28S, preparation, effects on conformation 1484.

liver, vitellogenin/albumin mRNA, purification 843.

liver, vitellogenin mRNA precursors identification 2469.

liver chromatin, transcription-vitellogenin sequences, oestrogen, effects on 272.

lysozyme genes, organization 3128.

ovalbumin gene, sequence 1046, 1047.

ovalbumin genes, cloning 5114.

ovalbumin genes, cloning/organization 4362.

ovalbumin genes, restriction endonuclease Eco RI fragments, characterization 2665.

ovalbumin genes, transcription 2490.

ovalbumin genes, transcription, diethylstilbestrol, effects on 4203.

oviduct, chromatin, oestrogen receptors localization 1777.

procollagen, clones, plasmids, construction/characterization 1698.

rRNA gene, purification, use-R-loops hybridization 5452.

***Chilodonella uncinata*,**

chromosomes, chromatin organization, electron microscopy 2258.

Chinese hamsters,see also **CHO cells**

cell culture, RNA biosynthesis/protein biosynthesis inhibition, effects on mitosis 295.

cell lines, chromosomes, complementary RNA, transcription/hybridization 3562.

cells, chromosomes, DNA organization 2672.

cells, DNA damage, induction-nitrosoureas 3068.

cells, DNA single-stranded breakage, fluorescent light 350.

cells, drug resistance, emetine, mutants, ribosomal proteins analysis 3488.

cells, excision repair-7-bromomethylbenz(a)anthracene-DNA adducts, inhibition-caffeine 2715.

cells, N-methyl-N'-nitro-N-nitrosoguanidine mutagenesis, thymidine/cytidine (deoxy), effects on 4645.

cells, radiation (u.v.)/spontaneous mutagenesis, harman/norharman, effects on 3164.

cells, radiation (X)-treated, survival, exogenous DNA, effects on 5584.

cells, radiation-induced DNA damage 6298.

cells, thymidine mutagenesis 2918.

cells radiation (u.v.)-treated, single-stranded DNA breakage 353.

chromosomes, structure 6520.

embryo cells, SV40 temperature-sensitive mutant-transformed, DNA biosynthesis initiation, role-A gene 1104.

fibroblasts nuclei morphology, correlation-DNA biosynthesis rates 5064.

lung cells, DNA biosynthesis inducers, relationship-cell cycle 422.

V-79 cells, pyrimidine dimers formation, relationship-cell death 3165.

Chironomidae,

chromosomes organization 6514.

***Chironomus*,**

species, rRNA gene organization 4988.

***Chironomus plumosus*,**

chromosomes, DNA biosynthesis, hibernation 1097.

***Chironomus tentans*,**

Balbiani rings, RNA 75S, analysis, determination-transcription unit size 2087.

chromosomes, isolation/RNA/proteins content 1788.

rRNA gene organization 4988.

***Chironomus thummi*,**

chromosomes, histones localization 2261.

chromosomes, puffing, developmental genetics 1277.

- Chironomus thummi**, (continued)
salivary gland, RNA biosynthesis during metamorphosis 5414.
- Chlamydia psittaci**,
incorporation-HeLa cells guanine nucleotides 6318.
- Chlamydomonas**,
chloroplasts, localization-DNA 5443.
chloroplasts DNA, modification/restriction, role-methylation 4437.
chloroplasts genes mutations, uridine (5-fluorodeoxy), effects on 4650.
- Chlamydomonas reinhardtii**,
chloroplasts, DNA, restriction endonuclease mapping 3766.
chloroplasts, genomes DNA, inverted repeat sequence 7078.
chloroplasts, ribosomes sedimentation 6720.
chloroplasts, RNA biosynthesis 5993.
chloroplasts, rRNA gene, organization 4985.
chloroplasts, rRNA gene mapping 2647.
DNA biosynthesis patterns, cell cycle 420.
DNA content during growth/cell division 7195.
mitochondria DNA, isolation/characterization 1615.
ribulosebiphosphate carboxylase mRNA, isolation/properties 4765.
RNA, translation-wheat germ cell-free system, chloroplasts ferredoxin biosynthesis 942.
rRNA biosynthesis, light, effects on 1518.
RNA 4S genes, localization-chloroplasts genomes 2648.
tubulin mRNA, amiprofos methyl, effects on 2535.
xanthotoxin/visnagin-induced damage, DNA repair 3159.
yellow mutant, chloroplasts, ribosomal proteins, characterization 4720.
zygotes, chloroplasts, DNA condensation 3765.
- Chlorambucil**,
binding-DNA/RNA, tumour-bearing rats 971.
- Chloramphenicol**,
acetylated derivatives, binding-*Escherichia coli* ribosomal subunits 2958.
effects on DNA replication, *Escherichia coli*, thymine starvation pretreatment 3150.
effects on *Escherichia coli* RNA biosynthesis stringent control 1513.
effects on post-replication DNA repair/sister chromatid exchange, radiation (u.v.) treated *Micrococcus luteus* 5038.
effects on puromycin photoaffinity labelling-*Escherichia coli* ribosomes 5890.
effects on R factor NR1 DNA replication, *Escherichia coli* 3808.
effects on rRNA biosynthesis, *Cyanophora paradoxa* / *Cyanocyta korschikoffiana* 2511.
induced puromycin photoaffinity labelling changes, *Escherichia coli* ribosomes, mechanisms 5891.
- Chlorella ellipsoidea**,
chloroplasts/cytoplasm, rRNA biosynthesis during cell cycle 6866.
- Chlorella pyrenoidosa**,
DNA biosynthesis, intermediates, characterization 6262.
rRNA maturation 4807.
- Chlorella vulgaris**,
rRNA maturation 4807.
- Chloroacetaldehyde**,
interaction-adenine/cytosine/adenosine/cytidine 18.
reaction-adenosine/cytidine, intermediates structure 5272.
- 1-Chloro-2:4-Dinitrobenzene**,
effects on DNA labelled thymidine incorporation, skin, rats 5555.
- bis(2-Chloroethyl) methylamine**,
cross-linking-DNA + nonhistone proteins, L1210 cells 961.
- 1-(2-Chloroethyl)-3-Cyclohexyl-1-Nitrosourea**,
binding-chromatin, HeLa cells 3311.
- Chloroethyl ethyl sulphide**,
alkylation-adenosine (2'-deoxy)/guanosine (2'-deoxy), products characterization 1827.
- Chloroethylnitrosoureas**,
induction-DNA-proteins cross-linking/DNA interstrand cross-linking, leukaemia L1210 cells 3672.
- Chloroplasts**,
circular DNA, plants, electron microscopy 3136.
DNA, plants, content 3657.
DNA, plants, fluorescence, use-4'6-diamidino-2-phenylindole probes 3656.
Euglena gracilis, DNA, transcription regions, mapping 1035.
ribosomes, *Euglena gracilis* / *Spinacia oleracea*, analysis-electrophoresis/electron microscopy 5354.
RNA, *Nicotiana rustica*, characterization/biological properties 1961.
tRNA, review 1307.
- Chloroquine**,
activity-*Plasmodium vincke*, relationship-DNA binding 3076.
binding-plasmids Col E1/calf thymus DNA, comparison-quinacrine 4282.
DNA binding, relationship-activity, *Plasmodium vincke* 3076.
- Chlorozotocin**,
binding-chromatin, HeLa cells 3311.
- Chlorphentermine**,
effects on DNA metabolism, liver/kidney 7205.
- Chlorpromazine**,
induction-DNA repair, lens epithelium, rats 2710.
photoinactivation-DNA/RNA, viruses 4283.
- Chlortetracycline**,
effects on *Streptomyces aureofaciens* RNA biosynthesis/protein biosynthesis 6018.
- CHO cells**,
see also **Chinese hamsters**
adenovirus (human) 2-infected, DNA biosynthesis, aphidicolin, effects on 7132.
caffeine/adenine-treated, DNA biosynthesis, radiation (X), effects on 2118.
DNA biosynthesis, ethidium bromide, effects on, relationship-superhelical structure 7210.
DNA biosynthesis, novobiocin, effects on, relationship-superhelical structure 7211.
DNA repair, double-stranded breaks, role-recombination 6299.
DNA repair, hydroxyurea, effects on 5558.
DNA replication, comparison-HeLa cells/human fibroblasts 6330.
DNA replication, initiation, inhibition-actinomycin D 3166.
emetine resistant, ribosomal proteins alterations 5901.
high molecular weight DNA-containing metaphase chromosomes, isolation 5230.
mutants, growth, toyocamycin/tubercidin, effects on 3412.
mutants, tRNA (aminoacyl) synthetase activity 181.
mutation, induction-uridine (5-fluorodeoxy) 5297.
nuclei/cytoplasm, poly (A)-containing RNA, isolation-low molecular weight RNA 1464.
poly (A)-containing RNA, biosynthesis/utilization, cycloleucine, effects on 294.
radiation (X), chromosome aberrations, assays 3329.
ribonucleoproteins ultrastructure, actinomycin D, effects on 5193.
ribonucleoside-diphosphate reductase kinetics 3278.
tRNA (aminoacyl) synthetase, sedimentation analysis 5845.

CHO cells,(continued)

tRNA (aminoacyl) synthetase temperature-sensitive mutant, proteins degradation 5329.
 rRNA, fractionation, use-electrophoresis 5935.
 tRNA (histidyl) synthetase/tRNA (valyl) synthetase/tRNA (leucyl) synthetase, mutants 1884.
 mRNA, informosomes/polysomes, formation/polyadenylation, kinetics, comparison 3576.
 tRNA (leucyl) synthetase temperature-sensitive mutant/revertants, growth, amino acids, effects on 4691.
 tRNA (leucyl) synthetase temperature-sensitive mutant revertants, isolation/characterization 4693.
 RNA polymerase II, polypeptides biosynthesis, regulation 6417.
 sister chromatid exchange, anaesthetics, effects on 7453.
 temperature-sensitive mutant, DNA biosynthesis 4427.
 temperature-sensitive mutant, nuclei-associated protein biosynthesis 1420.
 temperature-sensitive mutant, tRNA (leucyl) synthetase, characterization 3459.
 thymidine auxotrophs, selection-cytosine arabinoside 6602.
 transformation-guanine (1-methyl)/guanine (7-methyl) 5265.
 uridine (5'-bromodeoxy)-induced dense double-stranded DNA, characterization/association-sister chromatid exchange 1631.
 uridine (5'-bromodeoxy)-induced mutations, induction-guanine (6-thio)/ouabain resistance 1853.
 vaccinia virus infection, host range restriction, relationship-protein biosynthesis shut-off 2398.
Cholera toxin, effects on mitogens-induced DNA biosynthesis, lymphoid cells, rabbits 1671.
Cholesterol oxide, induction-DNA repair/chromosome aberrations, human fibroblasts 5559.
5 α ,6 α -Cholesterol oxide, interaction-DNA 6097, 6976.
Chorioallantoic membrane, influenza virus-infected, ribosomes, ammonium chloride/potassium chloride/puromycin, effects on 5350.
Choriogonadotropin, human, α -subunit/ β -subunit mRNA identification 315.
Choriotoneura fumiferana, chromosomes, histones/nonhistone proteins, characterization 3297.
Chromatids, DNA, spermatozoa, mice, isolation/characterization 7447.
Chromatin, see also **Heterochromatin**
 activation, L cells, fused-leukocytes, mice peritoneum 2251.
 antisera, HeLa cells-specific 3289.
 associated protein kinase, SV40-transformed cells 2862.
 associated ribonuclease, activation-oestradiol, oviduct, chickens 1705.
 associated RNA polymerase, *Pisum sativum* cotyledons, activity 3251.
 association-RNA, amoebae 302.
 autolysis, nuclei, brain cells, rats 5121.
 BALB/Mo cells, mice, integration-Moloney leukaemia virus DNA sequence, structure 4954.
Bombyx mori midgut, conformations during metamorphosis 7439.
 book 7484.
 bound, RNA polymerase, *Zea mays* shoots, gibberellic acid, effects on 7338.
 brain, rats, RNA biosynthesis, environment response 292.
 brain, subunit structure 6493.

Brevibacterium ammoniagenes nuclease, effects on 5120.
 c.d./RNA polymerase activity, lymphoblastoid cells, during proliferation/quiescence 2858.
 calf thymus, c.d., radiation (u.v.), effects on 6495.
 calf thymus, deoxyribonuclease I sensitivity, acetyl adenylate, effects on 1776.
 calf thymus, histone H1 localization 3953.
 calf thymus, histones cores complex, characterization 3298.
 calf thymus, nuclease digestion, histone H1 depletion, effects on 5211.
 calf thymus, structure, isolation solvents, effects on 5214.
 characterization/fractionation, methodology, book 3348.
 chickens, transcription, active/inactive regions, fractionation 1774.
 chickens oviduct, oestrogen receptors localization 1777.
 CHO cells, radiation (u.v.) fractionation-uridine (bromodeoxy)-substituted DNA 5212.
 complex, DNA conformation, spectroscopy (i.r.) 4917.
 condensation, mitochondria-mediated, spermatids, *Eisenia foetida*/*Ocotolasmus transpadanum* 6503.
 condensed, content, *Chara vulgaris*, changes during cell cycle 6494.
 condensed, fractionation-*Euglena gracilis* nuclei 6506.
 condensed fibers, *Odontophrynus americanus*, nucleosomes arrangement 5218.
 conformation transitions 6505.
 core particles, binding-histones, n.m.r. 1266.
 cores particles, conformation, ionic strength, effects on 6498.
 cores particles, formation/characterization, synthetic polydeoxyribonucleotides association-histones, erythrocytes, chickens 5204.
 cortex/hypothalamus, rats, binding-oestradiol 1263.
 cytomegalovirus-infected WI-38 cells, structure 1296.
 density, metrizamide gradients, salts/chromatin concentration, effects on 4546.
 deoxyribonuclease I-sensitive structure, role-nonhistone proteins 4550.
 digestion-deoxyribonuclease I, periodicity 7323.
 digestion-endogenous nuclease 3317.
 digestion-formaldehyde 3316.
 DNA, African green monkeys, repeated sequence, organization 7096.
 DNA, digestion-nuclease, intercalation-ethidium bromide, effects on 3879.
 DNA, liver, rats, adenine (N³-methyl) release, N-methyl-N-nitrosourea, effects on 4551.
 DNA, methylation-N-methyl-N-nitrosourea, inhibition-spermine/distamycin A 972.
 DNA, nuclei, calf thymus, benzo(a)pyrene-binding/distribution 5200.
 DNA, nuclei, liver, rats, methylation/degradation 6040.
 DNA, structure/nuclease sensitivity 5479.
 DNA binding-nonhistone proteins, induction-N-acetoxy-2-acetylaminofluorene 4552.
 DNA-binding protein, human embryos lung cells, cytomegalovirus-induced, characterization 7464.
 DNA biosynthesis/ligation, neurons/glia cells/liver nuclei, guinea-pigs 6265.
 DNA conformation 4543.
Drosophila melanogaster, assembly following replication 2252.
 ducks/chickens erythrocytes, purification-histones groups, use-hydroxylapatite 3950.
 effects on chromosome aberrations, radiation (γ), rats 3331.
 Ehrlich ascites tumour cells, histones segregation during replication 4545.
 Ehrlich ascites tumour cells, interaction-daunorubicin 6500.

Chromatin,(continued)

- electron microscopy, methodology 610.
endonuclease fragmentation, role-RNA 2254.
erythroblasts, pigeons, nonhistone proteins, ribonucleoproteins, characterization 607.
erythrocytes, chickens, binding-ethidium bromide, comparison-nucleosomes cores particles 7430.
erythrocytes, chickens, cleavage-single-stranded DNA-specific nuclease 7299.
erythrocytes, chickens, nuclease digestion 612.
erythrocytes, chickens, structure, freeze-fracture 7442.
erythroleukaemia cells, globin mRNA biosynthesis, DNA dependence 3036.
fibres, chickens erythrocytes nuclei, structure, electron microscopy 5206.
fibres, *Euplotes vannus* / *Keronopsis pulchra* / *Gastrostyla steinii*, electron microscopy 3313.
fibres, nucleosomes packing 6479.
foetal liver, mice, globin mRNA transcription specificity 6876.
fractionation, chromatography (hydroxylapatite thermal) 629, 630.
fractions, brain, rats, characterization/transcription properties 5202.
fractions, erythrocytes/reticulocytes, chickens, immunological properties 616.
fragments, nonhistone proteins-rich, isolation-liver nuclei, rats 5666.
Friend cells, chromosomal protein IP25, localization/characterization 7441.
Friend leukaemia cells, nucleosomes spacing 2851.
globin-specific DNA, distribution 615.
HeLa cells, binding-chlorozotocin/1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea 3311.
HeLa cells, endonuclease, purification/properties 6379.
HeLa cells, nucleosomes, poly (ADP-ribose) polymerase localization 618.
HeLa cells, nucleosomes periodicity 4544.
HeLa cells/RFL cells, DNA, double-stranded breakage-adrenalone aromatic reductones 358.
hepatoma tissue culture, copying-single-stranded DNA templates 1778.
high molecular weight, erythrocytes, chickens, reconstitution analysis 3319.
histone H1-histone H3 proximity 1759.
histone H3-histone H4 interaction, models 3296.
histones acetylation, effects on structure/transcription 624.
histones contact sites 5208.
histones-histones interactions 3970.
histones/nonhistone proteins, review 1317.
human, nucleosomes rearrangement, association-radiation (u.v.)-induced DNA repair 631.
human, nucleosomes transcription 626.
human fibroblasts, distribution-DNA repair synthesis, N-acetoxy-2-acetylaminofluorene, effects on 627.
hyperacetylated histones-containing, digestion-deoxyribonuclease I 1164.
infected BHK21/C13 nuclei, herpes simplex virus DNA biosynthesis 1644.
infected cells, association-influenza A virus ribonucleoproteins 5657.
infected cells, association-influenza A virus capsids 5678.
infected kidney cells, monkeys, herpes simplex virus DNA biosynthesis 6273.
interaction-RNA polymerase, induction-auxins, *Glycine max* hypocotyls 2193.
isolation-DNA nonhistone proteins complex 3963.
isolation-histones/nucleosomes 1247.
liver, chickens, transcription-vitellogenin sequences, oestrogen, effects on 272.
liver, mice, DNA degradation 487.
liver, rats, DNA repair/DNA degradation, radioprotective agents, effects on 4403.
liver, rats, histone H1 methylation/displacement, polycations, effects on 2840.
liver, rats, modification-N-methyl-N'-nitro-N-nitrosoguanidine/N-ethyl-N'-nitro-N-nitrosoguanidine, effects on *Escherichia coli* RNA polymerase templates activity 6497.
liver, rats, nucleosomes arrangement 1773.
liver, rats, nucleosomes packaging 2250.
liver, rats, nucleosomes repeated structure 4542.
liver, rats, properties following hepatectomy 3320.
liver, rats, proteins composition 1264.
liver, rats, restriction endonuclease solubilization, characterization-electron microscopy 1775.
liver, rats, RNA biosynthesis capacity, ammonium sulphate, effects on 1997.
liver, rats, structure association-cell cycle 594.
liver, rats, templates activity, hydrocortisone, effects on 6504.
liver, rats, transcription *Escherichia coli* RNA polymerase, following proteins diet restriction 4484.
liver/thymus, rats, protein biosynthesis activity, radiation, effects on 7440.
lymphadenosis cells, mice, interaction-sibomycin 7431.
lymphocytes, replication in vitro, structure 1269.
macronuclei, *Stylonychia mytilus*, structure 3334.
mammalian cells, bleomycin, effects on 2865.
mammalian nuclei, nucleosomes production pathway 5224.
mammalian spermatozoa, dispersion association-fertilization 625.
melting, satellite DNA denaturation 3130.
metabolism, liver, rats, lysine deficiency, effects on 452.
models, poly(lysine) copolymers-DNA complex, heat denaturation, ethylene glycol effects on 6480.
nonhistone proteins, hepatoma cells, purification/affinity-single-stranded DNA 6478.
nonhistone proteins, liver, chickens, binding-DNA 7421.
nonhistone proteins, lymphocytes, antibody response, mice 3954.
normal/xeroderma pigmentosum human fibroblasts, radiation (u.v.)-induced DNA repair 7170.
nuclei, leukaemia cells, mice, histone H1, carbodiimide cross-linking-histone H2a/histone A24 5662.
nuclei, liver, chickens, digestion-deoxyribonuclease I, RNA polymerase II isolation 7357.
nuclei, liver, rats, nuclease digestion, cations, effects on 6486.
nucleoproteins organization, relationship-DNA uracil (bromodeoxy) distribution, embryo cells, rats 3958.
nucleosomes, erythrocytes, chickens, conformations transitions, temperature/pH, effects on 7437.
nucleosomes, histones packing 613.
nucleosomes packing, thymus, rats, enzymatic analysis 5668.
oestradiol receptors complex, binding sites 628.
organization, *Achlya ambisexualis* 4549.
organization, *Chilodonella uncinata* chromosomes, electron microscopy 2258.
Paracentrotus lividus, nonhistone proteins electrophoresis 6477.
particles, erythrocytes, chickens, structure 2861.
Physarum polycephalum, cell cycle-specific association-nuclear envelope components 7436.
Physarum polycephalum, DNA repeated length 2856.
Physarum polycephalum, nuclease digestion, uridine (5-

Chromatin,(continued)

- bromodeoxy) substitution, effects on 3966.
 physical properties, book 3346.
 post-transcription association-ribonucleoprotein, Zajdela hepatoma cells 1758.
 preparation-electron microscopy, methodology 981.
 prostate, rats, binding-androgens receptors, role-DNA 6491.
 proteins dissociation-DNA 648.
 rats, hydrochloric acid hydrolysis, DNA resistance, age/cortisol, effects on 3321.
 rats, liver, polypeptide synthetase activity 623.
 rats, radiation/protease/deoxyribonuclease, effects on 3312.
 replication, relationship-hormones activity/cells differentiation, hypothesis 5663.
 replication regions, DNA-histones interaction 3303.
 reticulocytes, chickens, in vitro transcription, specificity 3004.
 RNA, HeLa cells, covalent linkage-double-stranded chromosomes DNA 6512.
 RNA/deoxyribonuclease I-treated DNA, methylation-dimethylnitrosamine, liver, rats 4276.
 rRNA 19S/rRNA 26S genes containing, *Physarum polycephalum*, structure 3762.
Saccharomyces cerevisiae, transcription, specificity-RNA polymerase I/RNA polymerase III 3255.
 salivary gland, rats, phosphorylation/proteins content, GMP (dibutyryl cyclic)/AMP (dibutyryl cyclic), effects on 285.
Salmo gairdneri, histone H4, association-template activity 1246.
Salmo testis, distribution-acetylated histone H4 3946.
Salmo testis, location-high mobility group nonhistone proteins 5220.
 separation, agarose gel chromatography (column) 2249.
 sheep hypothalamus, binding-oestradiol/progesterone receptors complex 2854.
Sipunculus nudus erythrocytes, structure 5215.
 size/nucleosomes orientation, neutron scattering 619.
 structure, aurintricarboxylic acid/formaurindicarboxylic acid, effects on 2857.
 structure, determination, use-radiation (u.v.)-induced cross-linking 7435.
 structure, *Drosophila*, occurrence-higher order domains 5221.
 structure, *Drosophila* heat shock loci 5222.
 structure, HeLa cells, histone H1 phosphorylation, effects on 5664.
 structure, HeLa cells nuclei, role-histone H1 6487.
 structure, nuclei, liver, rats, age, effects on 5219.
 structure, pituitary tumour cells, rats/human skin fibroblasts/lymphoma cells, mice, glucocorticoids, effects on 7445.
 structure, relationship-poly (ADP-ribose) polymerase activity 622.
 structure, role-DNA repair distribution, mammary gland cells, mice 3172.
 structure, *Saccharomyces cerevisiae*, relationship-proteins content 3967.
 structure, *Strongylocentrotus purpuratus* embryos/adults 3315.
 structure, SV40/chickens erythrocytes/Ehrlich ascites cell, review 1333.
 structure/distribution, *Triturus cristatus* cartilage cells, age, effects on 2255.
 structure/function, book 4574, 4575.
 structure/function, during myocardium development, rats 2853.
 structure/function, microorganisms, review 4586.
 structure/function, review 2880.
 structure organization, tissues, mice, age, effects on 7432.
 structure/reconstitution, benzo(a)pyrene diol epoxide DNA modification, effects on 4894.
 structure/template activity, cytomegalovirus infected human embryo lung cells, chromatin-associated factors, effects on 1779.
 structure/templates activity, rats, radiation (X), effects on 3959.
 subunits, binding-thyroid hormones receptors 611.
 SV40, endonuclease cleavage sites 2860.
 SV40, nucleosomes, arrangement, electron microscopy 614.
 SV40, structure, role-histone H1 3314.
 SV40/polyoma virus, DNA replication origin, structure/recognition-endonuclease 3969.
 SV40-transformed 3T3 cells, transcription/processing/structure 1268.
 template activity, kidney, mice, testosterone/medroxyprogesterone acetate, effects on 1184.
 templates activity, *Glycine max* hypocotyls, auxins, effects on 2192.
 testis/liver, rats, binding-hedamycin 339, 592.
 thymus, rats, nucleosomes packaging 3968.
 thymus, RNA polymerase, inhibition-transcortin hydrocortisone complex 7341.
 thymus nuclear lysate, rabbits, digestion-nuclease/deoxyribonuclease I 1267.
 transcription, brain, rats, 17 β -oestradiol/butyric acid, effects on, relationship-ageing 5660.
 transcription-*Escherichia coli* RNA polymerase 5201.
 transcription in vitro, relationship-thyroid genome sequence organization 3310.
 transcription/reconstitution, book 3347.
 transcription/replication, association-regeneration, liver, rats 621.
 transformation, spermatogenesis, sheep 2852.
Triticum, RNA biosynthesis, temperature, effects on 6893.
Triturus cristatus, cartilage cells, structure/distribution, age, effects on 617.
 tumours, mice, fractionation-sonication, rRNA gene transcription activity, effects on 2253.
 uracil-containing/methylated DNA, reaction-DNA glycosylase, human lymphoblastoid cells 7391.
 uterus, rabbits, transcription, progesterone-receptors complex, effects on 7438.
Vicia faba /*Trillium kamschaticum*, subunits structure 5665.
Xenopus laevis, rRNA 5S genes structure 7434.
 yeasts cells, structure/transcription ability during growth 5207.
Chromatography,
 comparison-heterototic histones, liver, rats 1763.
 cytosine nucleosides/cytosine nucleotides 56.
 hydrophobic, nonhistone proteins, liver, mice 7428.
 hydroxyapatite, *Escherichia coli* DNA, silver/mercury, effects on 328.
 isolation-*Escherichia coli* ribosomes 5869.
 purification-adenovirus (human) 2 mRNA + complementary DNA hybrids 6768.
 tRNA (aminoacyl), plasmacytoma, mice 5830.
 tRNA isolation, yeasts 1802.
 Sepharose, use-ribosomal subunits isolation, *Escherichia coli* 2405.
 use-plasmids DNA purification 6091.
Chromatography (affinity),
Escherichia coli dnaB gene protein 1303.
 histone H1, purification-phage PM2 DNA 6948.
 histones interaction-nonhistone proteins 605.
 poly (A)-containing RNA 232.

Chromatography (affinity), (continued)

poly (A)-containing mRNA 2443.
 poly (A)-containing mRNA, methodology 3525.
 purification-calf thymus DNA nucleotidylxotransferase 544.
 purification-nucleosidediphosphatase, liver cytosol, rats 557.
 tRNA (aminoacyl) synthetase, magnesium chloride/ATP, effects on 2387.
 RNA isolation, BHK cells, use-guanosine (6-thio)/uridine (4-thio) incorporation 4156.
 tRNA methyltransferase 768.
 tRNA Tyr 4073.
 separation-DNA/RNA, gels preparation 2439.
 TMP synthetase purification 2820.
 use-immobilized nucleotides, review 3357.
 use-poly (U)-Sephrose 4B, mRNA isolation, liver polyribosomes, rats 237.

Chromatography (cation-exchange),

separation-DNA acids degradation products 1553.

Chromatography (column),

agarose gel, chromatin separation 2249.
 determination-hypoxanthine/inosine levels, plasma/erythrocytes 1818.
 elution-plasmids pRZ2 DNA restriction endonuclease fragments 6143.
Escherichia coli tRNA fractionation, use-hydroxyapatite 3441.

hydroxyapatite, DNA structure analysis 4296.
 hydroxyapatite, use-tRNA/DNA, isolation 3651.
 nucleoside (3',5'-di-O-acyl)/nucleoside (2',5'-di-O-acyl) separation 54.
 nucleosides, separation 52.
 plasmid pRZ2 DNA restriction endonuclease fragments 6141.

resolution-*Agave cantala* 3'-nucleotidase/pyrophosphatase/phosphatase/ribonuclease 3271.

Chromatography (gas),

purines/pyrimidines derivatives, retention index 4612.

Chromatography (gas-liquid),

analysis-cytosine arabinoside/pyrimidine nucleosides 55.
 assays-plasma uracil (5-fluoro) 5732.
 separation-guanine (methyl) 3366.

Chromatography (high-performance liquid),

nucleosides, retention time prediction 4028.
Salmo gairdneri rRNA 5S nucleotide sequence 878.
 separation-cytokinins 3362.
 separation-nucleosides/nucleotides/bases 5738.
 separation-uridine (5-alkyl-2'-deoxy) isomers 5742.
 uracil (5-fluoro) analysis 40.
 use-adenine (1-methyl) determination, DNA 3088.
 use-cytosine/thymine/adenine/guanine separation-nucleoside (deoxyribo) 5740.

Chromatography (high-pressure liquid),

analysis-N-methyl-N-nitrosourea/N-ethyl-N-nitrosourea/ethyl methanesulphonate DNA alkylation products, mice 1566.
 determination-cucumber mosaic virus RNA base composition 5385.
 determination-*Euglena gracilis* mRNA base composition 1489.
 nucleotides analysis 1364.
 oligo (A) 3'-terminus analysis 4658.
 oligonucleotides/DNA restriction endonuclease fragments 4657.
 separation-nucleosides/purines/pyrimidines 1819.
 uridine (5-iodo-2'-deoxy) 710.
 use-cytosine arabinoside assays, human plasma 2319.
 use-DNA/RNA structure analysis, review 7014.

Chromatography (high-speed liquid),

poly (A)/poly (T), methodology 147.

Chromatography (hydroxylapatite thermal),

chromatin/DNA fractionation 630.
 chromatin fractionation 629.

Chromatography (reversed-phase),

analysis-*Euglena/Nostoc* tRNA (isoleucyl) 1397.
 purification-oligonucleotides fragments, human insulin DNA 4059.

tRNA (aminoacyl), methodology 4072.

Chromatography (salting out),

tRNA (isoleucyl) synthetase/tRNA (phenylalanyl) synthetase, yeasts 2391.

Chromatography (thin-layer),

cytokinins 692.
 isolation-polynucleotides 2353.
 nucleosides/nucleotides fractionation 2911.
 pyrimidines/pyrimidine nucleosides 1820.
 tRNA oligonucleotides fragments 751.
 separation-adenine nucleotides/adenosine, myocardium, rats 6617.

separation-methylated nucleosides 5741.
 use-ribonucleotide reductase activity assays,

Propionibacterium shermanii 3930.

use-thymine derivatives separation 39.

Chromatography (thin layer),

vaccinia virus mRNA methylated caps structures 866.

Chromosomal subunits,

Escherichia coli nucleoids, structure, autoradiography 6507.

Chromosome aberrations,

animals cells, tick-borne encephalitis virus, effects on 4557.
 bleomycin induced, CHO cells, DNA repair inhibitors, effects on 5048.

cells, mice, light, effects on 6516.

Drosophila melanogaster recombinant deficient mutant 3977.

formation, mechanisms, *Vicia faba* root-tip cells G phase 3327.

human fibroblasts, induction-cholesterol oxide/radiation (u.v.) 5559.

induction-fluorescent light, mice cells 349.

normal/abnormal human lymphoid cell lines, carcinogens/mutagens, effects on 5051.

radiation (γ), rats, chromatin/DNA, effects on 3331.

radiation (γ) induced, formation mechanisms 4556.

radiation (X), CHO cells, assays 3329.

radiation (X)-induced, *Crepis capillaris*, uridine (5-fluoro-2'-deoxy)/thymidine, effects on 5774.

viruses-infected cells, role-deoxyribonuclease 2181.

Chromosome puff,

association-proteins, deoxyribonuclease I digestion *Drosophila* nuclei 2866.

Chromosomes,

abnormal man cell culture, DNA biosynthesis 2098.

abnormalities, SV40 temperature-sensitive mutant transformed CHO cells 2673.

Allium cepa, characterization 3791.

Allium cepa, structure/activity, inhibition-RNA biosynthesis, effects on 1285.

Anabaena variabilis, DNA, physicochemical properties 3764.

association-membranes, *Bacillus subtilis* 7454.

Azotobacter vinelandii, characterization/comparison-*Escherichia coli* 7060.

Bacillus subtilis, DNA replication, hydroxyurea, effects on 3175.

Bacillus subtilis, integration-phage ϕ 11 DNA, methodology

Chromosomes,(continued)

6354.
bacteria, mobilization-plasmids, review 4008.
Balanoglossus claviger, morphology/DNA content 2863.
calf/sheep/goats, repetitive DNA, characterization 2090.
cells, mice, susceptibility-light-induced damage following long term culture/malignant transformation 5671.
Chilodonella ucinata, chromatin organization, electron microscopy 3328.
Chinese hamsters, structure 6520.
Chinese hamsters cell lines, complementary RNA, transcription/hybridization 3562.
Chironomus plumosus, DNA biosynthesis, hibernation 1097.
Chironomus tentans, isolation/RNA/proteins content 1788.
Chironomus thummi, histones, localization 2261.
CHO cells, endonuclease digestion 3972.
Choriotoneura fumiferana, histones/nonhistone proteins, characterization 3297.
chromosomal protein IP25, chromatin, Friend cells, localization/characterization 7441.
chromosome X, RNA transcripts, human-mice hybrids, hybridization properties 3561.
chromosome XII, *Saccharomyces cerevisiae*, localization-rRNA genes 3325.
Clostridium novyi, segregation, mechanisms 2257.
condensation, BHK cells temperature-sensitive mutant 2260.
condensation/duplication, mitosis/meiosis 2864.
Crepis capillaris seedlings, DNA replication, autoradiography 7220.
damage, in vivo, relationship-N-acetoxy-2-acetylaminofluorene-induced DNA repair 3170.
distribution-human satellite DNA fragments 7097.
DNA, denaturation/reassociation 5477.
DNA, organization, Chinese hamsters cells 2672.
DNA, phage λ , packaging, specificity 3713.
DNA, *Rhizobium trifolii* /*Rhizobium meliloti* /*Rhizobium japonicum*, restriction endonuclease analysis, mutants identification 6211.
DNA, *Saccharomyces cerevisiae*, analysis-termini cross-linking 5512.
DNA fragments, *Saccharomyces cerevisiae*, isolation/characterization, use-leu2 gene containing plasmids 6951.
double-stranded DNA, HeLa cells, covalent linkage-chromatin RNA 6512.
Drosophila hydei, DNA biosynthesis, puromycin, effects on 7198.
Drosophila hydei /*Drosophila neohydei*, DNA replication 6264.
Drosophila melanogaster, puffing patterns, glutamic acid, effects on 1275.
Drosophila melanogaster, tRNA Val genes localization/characterization 5227.
Escherichia coli, absence-transposon Tn5 homologous sequences 1787.
Escherichia coli, deletions, stimulation-phage Mu 1693.
Escherichia coli, DNA/nucleoids structure, radiation (ionizing), effects on 6202.
Escherichia coli, glyS gene regions, recombination 3873.
Escherichia coli, initiation factor 3 structural gene regions, organization 4343.
Escherichia coli, localization-rRNA 16S/rRNA 23S genes 5673.
Escherichia coli, phage Mu integration, mechanisms 6356.
Escherichia coli, radiation (ionizing)-induced damage, double-stranded breakage, DNA repair 6287.
Escherichia coli, replication, association-cell division 633.
Escherichia coli, replication origin, cloning 3875.
Escherichia coli, replication origin, nucleotide sequence 3756, 3757.
Escherichia coli, tRNA Tyr genes, structure/organization 4342.
eukaryotes, DNA organization 1786.
eukaryotes, structure, models 3333.
fibres, lymphocytes, cattle, nucleosomes organization 6481.
foetal, mice, sister chromatid exchange analysis 6496.
folded, *Escherichia coli*, relationship-R factor R6K replicating forms 1270.
fractionation, genes localization 5228.
genomes, BALB/Mo cells, mice, Moloney leukaemia virus integration sites, mapping 5232.
Hemicentrotus pulcherrimus embryos cleavage, DNA replication, role-DNA polymerase α 2800.
hepatoma cell lines, rats, rRNA gene content 3978.
histones/nonhistone proteins fractionation/characterization, use-hydroxyapatite 1279.
homologous, DNA content 3979.
human, location-immunoglobulins heavy chains genes 7449.
human, measurement/purification 5229.
human, rRNA gene expression 1505.
human, satellite DNA arrangement 3782.
human, structure, electron microscopy 1782.
human fibroblasts, DNA biosynthesis patterns 2690.
human leukaemia (acute), hybridization-satellite DNA 1790.
human melanoma cell lines, damage-melphalan 1274.
human/mice, localization-rRNA 5.8S genes 5672.
interaction-anthracyclines 2049.
L cells, deoxyribonucleoproteins attachment sites, DNA, nucleotide sequence 2870.
lampbrush, *Notophthalmus viridescens*, RNA transcription 3573.
lampbrush polytene, *Drosophila*, location-RNA 5S genes 5670.
Lilium longiflorum, DNA biosynthesis during meiosis, electron microscopy + autoradiography 7221.
mammalian cells, bleomycin, effects on 2865.
mammals, labelling, use-DNA binding agents 1785.
mediated transfer-herpes simplex virus 1 thymidine kinase genes, cell lines, mice 7290.
metaphase, *Drosophila nasutoides*, localization-satellite DNA 3975.
metaphase, high molecular weight DNA-containing, CHO cells, isolation 5230.
metaphase, isolation, dephosphorylation-histone H1/histone H3 637.
metaphase, structure, hamsters, nonhistone proteins 1770.
metaphase/interphase, radiation (u.v.)-induced DNA repair patterns 6303.
mice, localization-immunoglobulins light chains genes 6515.
mice, mammary tumour virus-specific DNA distribution 4258.
Neisseria gonorrhoeae, plasmids, transfer-conjugation, use-mapping 2868.
organization, Chironomidae 6514.
Orytolagus cuniculus, DNA content 6519.
phage λ , packaging 3973.
phage P4, RNA polymerase binding sites distribution 6518.
plants, DNA pools, review 4015.
Poecilocerus pictus, dimethoate effects on 2236.
polytene, deoxyribonucleoproteins, DNA packaging 2869.
polytene, *Drosophila*, DNA content/morphology, temperature, effects on 5231.
polytene, *Rhynchosciara americana*, repetitive DNA sequence distribution 4991.
Pongo pygmaeus albei, rRNA gene location 6508.

Chromosomes,(continued)

- Prorocentrum micans*, division 1791.
Prorocentrum micans, structure 1272.
 proteins, nitrosomorpholine induced hepatoma, rats 2841.
Pseudococcus obscurus, DNA biosynthesis, euchromatin/heterochromatin 2686.
 puffing, *Chironomus thummi*, developmental genetics 1277.
 rats, leukaemia, induction-N-butyl-N-nitrosourea 636.
 replicating, SV40, relationship-non-replicating chromosomes 638.
 replication, *Escherichia coli*, cell division 2264.
 replication, F' factors containing *Escherichia coli* 6510.
 replication, histones segregation 3952.
 replication origin, *Salmonella typhimurium*, gene mapping 5602.
 replication rates, relationship-morphology, *Escherichia coli* K12 1273.
Rhynchosciara angelae, hydroxyurea, effects on 3326.
 rRNA gene containing, *Physarum polycephalum*, isolation 5674.
Scilla sibirica / *Secale cereale* / mice, localization-nuclei fold-back sequence 1280.
 somatic, *Drosophila melanogaster*, location-repetitive DNA 3974.
Staphylococcus aureus, enterotoxin B genes, mapping 1281.
 structure, RNA biosynthesis/protein biosynthesis inhibitors, effects on 4555.
 structure, role-chromatin-bound RNA polymerase I/RNA polymerase II during mitosis 3898.
 subunits conformation, regulation, Rous sarcoma virus/Rous-associated virus 1129.
 SV40, DNA fragments, analysis 3751.
 SV40, following reconstitution, sodium chloride/histone H1, structure, effects on 7450.
 SV40, histones mobility 2259.
 SV40, nucleosomes arrangement 635.
 SV40, occurrence-histone H1 639.
 SV40, structure, infected CV-1 cells 3332.
 SV40-infected CV-1 cells, occurrence-histone H1 2244.
Triturus cristatus carnifex, hybridization-repetitive DNA 4554.
Triturus vulgaris meridionalis, rRNA gene location, methodology 3980.
 W chromosome, associated satellite DNA, *Bungarus fasciatus* / *Elaphe radiata*, condensed, behaviour 3976.
 Y chromosome, human, DNA repeated unit, organization/heterogeneity 6249.
 Y chromosome, human, polymorphism, identification-repetitive DNA 2867.
 Y chromosome, reassociation kinetics 3324.
Chrysanthemum chlorotic mottle viroid, circular RNA, phosphodiester cleavage 5382.
 conformation, heat transitions, melting analysis 5965.
Chrysanthemum stunt viroid, circular RNA, phosphodiester cleavage 5382.
 complementary DNA probes, synthesis/characterization 1019.
 conformation, heat transitions, melting analysis 5965.
Chrysene, diol epoxide, interaction-phage ϕ X174 DNA 6106.
Cibacron blue, inhibition-DNA binding-estradiol-receptor complex, uterus, mice 5682.
 interaction-*Escherichia coli* DNA polymerase I/phage T4 DNA polymerase, comparison 6426.
Cichorium intybus, poly (A)-containing RNA biosynthesis during buds formation 3624.
Cigarette smoke, condensates, DNA damage, human lymphocytes 7002.
Ciona intestinalis, mRNA biosynthesis during embryogenesis 3620.
Circadian rhythms, DNA biosynthesis, bone marrow/alimentary canal/cornea epithelium, mice 2132.
 DNA distribution, hamsters cheek pouch epithelium 1547.
 RNA content, neurons/neuroglia, rats 1458.
Cistrons, see also **Genes, Operons, etc.**
 coat protein, location/encapsidation, tobacco mosaic virus RNA 4785.
 phage Q β coat protein, RNA, nucleotide sequence analysis 2450.
 rrnB cistron, rRNA, transcripts analysis/promoters origin, plasmids ColE1 5487.
Citrobacter intermedius, plasmids DNA, role-glutamic acid excretion 7223.
Citrus exocortis viroid, circular RNA, phosphodiester cleavage 5382.
 conformation, heat transitions, melting analysis 5965.
 RNA, detection-*Lycopersicon esculentum* tumour cells, citrus exocortis viroid + *Agrobacterium tumefaciens* infection 837.
Cloacin, cleavage rRNA 16S, effects on *Escherichia coli* protein biosynthesis initiation 1450.
 cleavage-rRNA 16S, effects on *Escherichia coli* protein biosynthesis elongation 1451.
Cloacin DF13, ribosomes cleavage, *Escherichia coli*, translation fidelity/specificity 5353.
Closterium acerosum, uridine metabolism, incorporation-RNA 714.
Closterium moniliferum, radiation, DNA repair enzymes induction 5554.
Clostridium botulinum, plasmids, isolation/characterization 983.
Clostridium novyi, chromosomes, segregation, mechanisms 2257.
Clostridium perfringens, DNA, conformation, c.d. 6198.
 DNA biosynthesis, inhibition-piperazines 1668.
 plasmids DNA, characterization 4337.
 polyribonucleotide nucleotidyltransferase, quaternary structure/peptolysis 4517.
Clostridium tartarivorum, DNA homology 2640.
Clostridium thermohydrosulfuricum, DNA homology 2640.
Clostridium thermosaccharolyticum, DNA homology 2640.
CMP, bisulphite adducts, pK, n.m.r. 3417.
 complex formation-pyrene 2923.
 conformational analysis 6620.
 reaction-hypochlorous acid 5300.
dCMP, interaction- β -alanine derivatives 1367.
CMP (2'-Deoxy), nitration-nitronium tetrafluoroborate 2326.
 protecting groups, hydrolysis, kinetics 2924.
CMP (2-Thio), conformation, n.m.r. 5760.

dCMP deaminase.

Bacillus subtilis, purification/characterization 565.
spleen, interaction-glutaraldehyde, freezing 1222.

dCMP hydroxymethyltransferase.

role-phase T4 DNA biosynthesis 2095.

Cnemidophorus.

mitochondria DNA, analysis 5521.

Coal tar.

suppression-DNA biosynthesis, epidermal cells, skin, mice,
radiation (u.v.), effects on 2708.

Coat protein.

alfalfa mosaic virus, effects on RNA 4 3'-terminus
fragments, base pairs structure 4782.

binding-3'-terminus RNA 4, alfalfa mosaic virus 1479.

cistrons, RNA, phage Q β , nucleotide sequence analysis 2450.
phage f1, integration-*Escherichia coli* membranes fractions
4568.

phage MS2, biosynthesis rate, mRNA structure, effects on
6060.

mRNA, alfalfa mosaic virus, requirements-cowpea
protoplasts infection 2007.

mRNA, phage MS2, nucleotide sequence, relationship-rRNA
16S 3'-terminus 1933.

subunits, alfalfa mosaic virus, effects on RNA structure 870.
tobacco mosaic virus/cowpea chlorotic mottle virus, RNA
encapsulation, characterization 2275.

Cobalt.

complex-ATP, inactivation-*Escherichia coli* tRNA
(methionyl) synthetase 5334.

Cockayne syndrome.

radiation (u.v.)-induced DNA repair 5556.

Coformycin (2'-Deoxy).

effects on adenine (9- β -D-xylofuranosyl) inhibition-RNA
biosynthesis, L1210 cells 2512.

effects on adenosine (3'-deoxy) inhibition-RNA biosynthesis,
regenerating liver, rats 3016.

Colcemid.

effects on growth factors stimulation-DNA biosynthesis, 3T3
cells 7127.

Colchicine.

effects on growth factors stimulation-DNA biosynthesis, 3T3
cells 7127.

inhibition-protein S100 mRNA accumulation, glial cells, rats
914.

Colicin E1.

biosynthesis, guanosine tetraphosphate, effects on 726.

Colicin E3.

biosynthesis, guanosine tetraphosphate, effects on 726.
effects on ribosomes 4120.

Escherichia coli, endonuclease activity 5123.

Collagen.

biosynthesis, tendon, embryos, chickens, role-tRNA (glycyl)
764.

Panagrellus silusiae, in vitro translation 186.

mRNA biosynthesis, Rous sarcoma virus-transformed
embryo fibroblasts, chickens 899.

Colon.

rabbits, DNA biosynthesis in vitro, antibiotics, effects on
1087.

rats, DNA biosynthesis, secretin, effects on 4393.

Columba livia.

DNA/RNA/proteins content, radiation(γ), effects on 2114.

Columba livia domestica.

DNA sequence organization 3771.

Computer programs.

determinator-restriction endonuclease recognition sites 1718.
predictions-single-stranded RNA secondary structure 854.
restriction endonuclease mapping 3244.

RNA/DNA sequences, homology-proteins, relationship-
evolution 923.

mRNA palindromes length 244.

use-DNA nucleotide sequence determination 6131.

Conalbumin.

chickens, complementary double-stranded DNA, cloning
5608.

genes, chickens, DNA mapping 6235.

mRNA, biosynthesis, oviduct, chickens, stimulation-
oestrogen 2504.

mRNA, chickens oviduct, transcription/translation-rabbits
reticulocyte lysate, methylmercury hydroxide, effects on
6874.

Concanavalin A.

aggregation-wheat germ ribosomes, occurrence-glycoproteins
1909.

effects on *Crotalus adamanteus* venom 5'-nucleotidase
interaction-actin 7386.

induction-DNA biosynthesis, lymphocytes, kinetics 1107.

inhibition-DNA polymerase β /DNA polymerase α , human
neuroblastoma cells 5636.

stimulation-lymphocytes, effects on ribosomes biological
activity 2429.

Convallaria keiskei.

flowers, thymidine, isolation/identification 1821.

Copper.

complex-glycyl-glycine + 5-fluorouracil + water, synthesis/
characterization, e.s.r. 686.

complex-GMP, spectroscopy (i.r.)/e.s.r./magnetic
susceptibility 5304.

complex-IMP, structure, X-ray crystallography 5785.

complex-isonicotinic acid hydrazide, effects on Rous
sarcoma virus RNA/DNA polymerase (RNA-dependent)
5640.

interaction-adenosine derivatives 5746.

interaction-ADP/dADP, n.m.r. 5301.

interaction-DNA, kinetics/thermodynamics 4884.

interaction guanosine derivatives 700.

interaction-inosine derivatives 701.

N-methyl isatin β -thiosemicarbazone complex, effects on
Rous sarcoma virus DNA polymerase (RNA-dependent)/
ribonuclease H 1738.

Copper nitrate.

interaction-uracil (1,3-dimethyl-4-amino-5-nitroso) 6565,
6566.

reaction-uracil (1,3-dimethyl-4-amino-5-nitroso) 26.

Copper sulphate.

complex-N-methylisatin- β -thiosemicarbazone, inhibition-
Escherichia coli DNA polymerase I 6424.

effects on RNA/DNA content, rats, normal/leucosis 450.

Cordycepin.

effects on dexamethasone-induced mRNA activity, HTC
cells 846.

effects on microtubules, Vero cells/HeLa cells 4038.

effects on RNA biosynthesis/RNA transport, *Carassius*
auratus retina 1993.

inhibition-RNA efflux, SV40-3T3 cells 5281.

Cordycepin triphosphate.

inhibition-tobacco mosaic virus/cowpea chlorotic mottle
virus RNA polymerase (RNA-dependent) RNA biosynthesis
4492.

Corioli versicolor.

monophenol monooxygenase mRNA, characterization 1951.

- Coronavirus**,
ribonucleoproteins, structure 2831.
- Coronavirus (bovine)**,
RNA, characterization 2453.
- Coronavirus (murine)**,
RNA, characterization 1473.
mRNA/ribonucleoproteins, characterization 5955.
- Corticotropin**,
biosynthesis, wheat germ cell-free system, mRNA,
adenocarcinoma cells, pituitary, mice 4251.
- β lipotropin, precursors, cattle, cloned complementary DNA,
nucleotide sequence 3779.
- precursors mRNA, distribution-pituitary, cattle 4148.
- precursors mRNA, pituitary, cattle, purification/
characterization 5398.
- regulation RNA biosynthesis, liver, rats, age, effects on 6832.
- Cortisol**,
effects on DNA resistance-hydrochloric acid hydrolysis,
chromatin, rats 3321.
- Cortisone acetate**,
effects on protein biosynthesis initiation, skeletal muscle/
heart, rats 2401.
- effects on RNA biosynthesis, radiation (γ) treated liver, rats
6010.
- Corylus avellana**,
protoplasts, DNA biosynthesis, characterization 1111.
- Corynebacterium diphtheriae**,
RNA biosynthesis, regulation-diphtheria toxin biosynthesis
260.
- Corynebacterium parvum**,
effects on DNA biosynthesis/proliferation/regeneration, liver,
rats 5574.
- effects on DNA polymerase activity, spleen, mice 1190.
- Coturnix coturnix japonica**,
oocytes nucleoli, rRNA gene transcription sites localization
6035.
- Coumarins**,
derivatives, binding-DNA, biological activity 4888.
reaction-purines/pyrimidines 560.
- Coumermycin**,
interaction-*Escherichia coli* DNA gyrase 3925.
- Cowpea chlorotic mottle virus**,
coat protein, RNA encapsulation, characterization 2275.
replication defective temperature-sensitive mutant, isolation/
mapping 871.
- replication/properties, resistant *Vigna unguiculata* 4820.
- RNA, translation-cell-free system, products analysis 6912.
- RNA polymerase (RNA-dependent) RNA biosynthesis,
inhibition-cordycepin triphosphate 4492.
- Cowpea mosaic virus**,
protein biosynthesis/processing, reticulocyte lysate 6704.
- RNA, transcription-avian myeloblastosis virus DNA
polymerase (RNA-dependent) 3267.
- RNA, translation, multiple initiation sites 6065.
- RNA associated proteins, characterization 4564.
- RNA biosynthesis, inhibition-actinomycin D 3595.
- RNA polymerase (RNA-dependent), templates recognition
3904.
- Cowpox virus**,
DNA, restriction endonuclease fragments, electrophoresis
1014.
- Coxsackievirus B01**,
antiviral agents, pyrimidines derivatives 1346.
- Crangon crangon**,
integuments/abdominal muscle/digestive gland, DNA
content 2556.
- Creatine kinase**,
isoenzymes, mRNA, embryo cells, chickens, detection 227.
subunits, mRNA, chickens embryo cells, levels during
development 6873.
- Crepis capillaris**,
radiation (X)-induced chromosome aberrations, uridine (5-
fluoro-2-deoxy)/thymidine, effects on 5774.
- seedlings, chromosomes DNA replication, autoradiography
7220.
- Crithidia acanthocephali**,
kinetoplasts, circular DNA, restriction endonuclease
cleavage sensitivity, heterogeneity 3759.
- kinetoplasts DNA, partial transcription 6857.
- Crithidia fasciculata**,
growth, inhibition-adenosine/adenosine (2'-deoxy) 2333.
- kinetoplasts, rRNA biosynthesis 6858.
- kinetoplasts DNA, characterization 6213.
- purines transport/accumulation 2316.
- ribosomes, rRNA, characterization 3554.
- Crithidia luciliae**,
kinetoplasts DNA, RNA transcription 2649.
- Crithidia oncopelti**,
kinetoplasts, rRNA biosynthesis 6858.
- Crotalus adamanteus**,
venom, 5'-nucleotidase, interaction-actin, concanavalin A,
effects on 7386.
- Croton oil**,
enhancement-N-methyl-N'-nitro-N-nitrosoguanidine
induction-skin tumours, role-DNA biosynthesis, mice 3832.
- Crown gall**,
induction/development, ribonuclease U2 RNA fragments,
effects on 4862.
- Crynodes peregrinus**,
ovarioles, RNA biosynthesis 6816.
- Crypthecodinium cohnii**,
nuclei, RNA polymerase assays 7337.
- rRNA, characterization 2995.
- Cryptobothrus chrysophorus**,
nuclear DNA, content 2557.
- Crystallin**,
complementary DNA, embryos, chickens, cloning/
characterization 7281.
- mRNA, lens, chicken, isolation/translation-cell-free system
936.
- mRNA, lens, chickens, sequence/distribution 880.
- mRNA, lens, translation-reticulocyte lysate, inhibition-caps
analogues 1534.
- CTP**,
unmodified/mercured, effects on RNA biosynthesis,
mammary gland cells, mice 1514.
- dCTP**,
copolymers-GTP (O^6 -methyldeoxy), synthesis/properties
3385.
- CTP (2'-Deoxy-2'-Azido)**,
inhibition-DNA primase, *Escherichia coli* dnaG gene protein
1226.
- CTP arabinoside**,
cytotoxicity, enhancement, immobilization-liposomes, review
2892.
- effects on DNA polymerase, mice cells/oncornavirus 1733.
- inhibition-*Lactobacillus leichmannii* ribonucleoside-
triphosphate reductase 4055.
- Cucurbit mosaic virus**,
associated RNA 5, nucleotide sequence 1480.
- induced RNA polymerase (RNA-dependent), purification
7360.
- RNA, base composition determination, chromatography

Cucumber mosaic virus.(continued)

(high-pressure liquid) 5385.
 RNA, 5'-terminus regions, nucleotide sequence 5384.
 RNA 5, effects on plant diseases expression 6896.
 satellite RNA, characterization 5966.
 satellite RNA, stability in vitro/in vivo 4783.
Cucumber pale fruit viroid,
 circular RNA, phosphodiester cleavage 5382.
 conformation, heat transitions, melting analysis 5965.
 RNA replication, infected protoplasts, tomatoes, inhibition- α -amanitin 4197.

Cucumis sativus,

cotyledons, histones composition/RNA content, kinetins,
 effects on 6476.

satellite DNA, isolation/characterization 5008.

Cuscuta reflexa,

effects on cytosine (5-methyl) content, DNA, infected
 Medicago 6259.

CVI cells,

angelicin photosensitization, DNA repair, assay 2716.
 DNA polymerase α /DNA polymerase β /DNA polymerase γ
 activity, radiation (u.v.), effects on 5154.
 DNA replication during serum-induced S phase 6331.
 growth, effects on adeno-associated virus DNA replication
 4385.
 SV40-infected, nucleoproteins complex, isolation/
 characterization, methodology 3292.

Cyanamide,

effects on oligonucleotides formation during prebiosis 5794.

Cyanidium caldarium,

rRNA maturation 4807.

Cyanobacteria,

DNA base composition 6199.
 genomes, size 6200.
 plasmids DNA, characterization 3701.

Cyanocysta korschikoffiana,

rRNA biosynthesis, rifampicin/chloramphenicol/
 cycloheximide, effects on 2511.
 symbiosis-Cyanophora paradoxa, rRNA, characterization
 5390.

Cyanophora paradoxa,

rRNA biosynthesis, rifampicin/chloramphenicol/
 cycloheximide, effects on 2511.
 symbiosis-Cyanocysta korschikoffiana, rRNA,
 characterization 5390.

Cycasin,

fragmentation DNA, organs, rats/mice 4898.

Cyclobutane,

dimers, role-radiation (u.v.) DNA denaturation 974.

 β -Cyclodextrinylbisimidazole,

ribonuclease enzyme models 1152.

Cycloheximide,

effects on DNA biosynthesis, liver, rats 1672.
 effects on DNA biosynthesis, SV40 transformed cells 4390.
 effects on DNA replication, L cells 463.
 effects on nonhistone proteins, liver, rats 3956.
 effects on tRNA (phenylalanyl) synthetase, *Euglena gracilis*
 1412.
 effects on rRNA biosynthesis, *Cyanophora paradoxa* /
Cyanocysta korschikoffiana 2511.
 effects on mRNA degradation, free/membrane-bound
 polyribosomes, liver, rats 4158.
 effects on RNA polymerase I/RNA polymerase II activity,
 RNA biosynthesis, prostate, rats 4489.
 effects on western equine encephalitis virus replication,
 embryo cells, chickens 3009.
 inhibition-glucocorticoids induction- α -globulin mRNA,

hepatocytes 6015.

inhibition-protein biosynthesis, liver, rats, effects on rRNA
 processing 6879.

inhibition-protein biosynthesis, liver nuclei, rats, effects on
 ribonucleoproteins transport 4097.

resistance sites, *Tetrahymena thermophila* ribosomal
 subunits 1433.

stimulation-translation activity, polyribosomes, liver, rats
 5900.

treatment, liver, rats, histones/nonhistone proteins
 biosynthesis/DNA biosynthesis stimulation 6499.

Cycloleucine,

effects on poly (A)-containing RNA biosynthesis/utilization.
 CHO cells 294.

inhibition-vesicular stomatitis virus mRNA methylation,
 effects on transcription/translation 4194.

Cyclophosphamide,

effects on DNA biosynthesis, urinary bladder epithelium,
 mice 2726.

effects on DNA biosynthesis/RNA biosynthesis, bladder
 tumours, human 1110.

effects on DNA repair/DNA replication, liver cells, rats/
 human leucocytes 4402.

treatment, mice, DNA repair, assay 1085.

Cylindrotheca fusiformis,

DNA polymerase/DNA-binding protein biosynthesis during
 silicate starvation 531.

Cyprinus carpio,

liver, polyribosomes, protein biosynthesis activity 5898.
 nucleotide degradation, effect of cold storage 1860.

Cyproterone acetate,

effects on RNA biosynthesis/DNA biosynthesis, prostate,
 rats 5409.

Cysteamine,

effects on radiation (γ) induced mutation, phage λ 4395.

effects on radiation (X)-induced DNA single-stranded/
 double-stranded breaks, L cells 6998.

protection-radiation (γ)-induced DNA repair, *Escherichia*
coli 1654.

Cysteine,

derivatives, reaction-uridine (5-iodo-2'-deoxy)/uridine (5-
 bromo-2'-deoxy) 2329.

radioprotection-radiation (γ) treated calf thymus DNA 3073.

reaction-uracil (5-chloro) derivatives 88.

Cytidine,

binding-metals, n.m.r./spectroscopy (Raman) 2327.

combination-uracil (5-fluoro), potentiation-chemotherapy
 activity, sarcoma, mice 5737.

copolymers-cytidine (2-thio), physical/templates properties
 2367.

deamination-bisulphite, kinetics 1835.

derivatives, antiviral activity, evaluation-Kirsten sarcoma
 virus transformation in vitro 6603.

effects on plasmid pBR322 DNA amplification-*Escherichia*
coli 5085.

5-halo-5'-amino analogues, synthesis/antiviral activity 704.
 interaction-chloroacetaldehyde 18.

methyl derivatives, spectroscopy (Raman) 5757.

pentaammineruthenium complex, synthesis 75.

reaction-chloroacetaldehyde, intermediates structure 5272.
 reaction-trimethyl phosphate 1829.

separation-cytosine arabinoside/cytidine (deoxy), use-sugar-
 borate complexation 53.

Cytidine (N⁶-Acetyl),

identification, human urine 2318.

role-tRNA Met function, *Escherichia coli* 760.

structure, X-ray diffraction 1845.

- Cytidine (5-Allyl)**, synthesis 1833.
- Cytidine (5-Allyl-2'-Deoxy)**, synthesis 1833.
- Cytidine (4-Amino)**, interaction-imidate esters 77.
- Cytidine (N⁴-Anisoyldeoxy)**, synthesis 80.
- Cytidine (5-Aza)**, effects on rRNA, SV40 infected BSC-1 cells 5293. effects on tRNA methyltransferase, liver, mice 5768. effects on rRNA/mRNA, BSC-1 cells 3401. effects on SV40 DNA replication/conformation 4646.
- Cytidine (5-Aza-2'-Deoxy)**, hydrolysis, pyrimidine (5-aza) 2'-deoxynucleosides synthesis 76.
- Cytidine (5-Bromodeoxy)**, effects on sister chromatid exchange, human lymphocytes 7446.
- Cytidine (6-Cyano)**, synthesis 1356.
- Cytidine (2'-Cyclo-2-Seleno)**, synthesis 6585.
- Cytidine (deoxy)**, detection-acids soluble fractions, embryos, chickens 5739. effects on DNA uridine (5-bromodeoxy) distribution, melanoma cells, hamsters 7095. effects on N-methyl-N'-nitro-N-nitrosoguanidine mutagenesis, Chinese hamsters cells 4645. effects on uridine(5-bromodeoxy) cytotoxicity, melanoma cells, hamsters 4049. incorporation-DNA, human lymphocytes 3405. morphine antagonism 106. separation-cytosine arabinoside/cytidine, use-sugar-borate complexation 53. tritiated, utilization, lymph nodes cells, rats, comparison-tritiated thymidine 5290. tritiated, utilization-human lymphocytes, comparison-tritiated thymidine 5291. use-DNA-thymine, lymphoid tissue, mice 6604.
- Cytidine (2'-Deoxy)**, 5'-O-glucopyranosides, synthesis 2328. 5-polyfluoralkyl/5-polyfluoroalkoxymethyl derivatives, synthesis 2330.
- Cytidine (2'-Deoxy-2'-Fluoro)**, synthesis 3390, 1355.
- Cytidine (5-Fluoro)**, analogues, methylation/tautomerism 78. effects on tRNA/tRNA methyltransferase, liver, mice 5292.
- Cytidine (N⁴-Methyl)**, occurrence, rRNA 13S, mitochondria, hamsters 1492.
- Cytidine (3-Methyl)**, identification, human urine 2318.
- Cytidine (5-Methyl)**, effects on avian sarcoma virus production, infected embryo cells, chickens 3403. residues, localization-Sindbis virus RNA, in vitro 1477. role-tRNA aminoacylation, liver, mice 3456.
- Cytidine (5'-C-Methyl)**, synthesis, methodology 5752.
- Cytidine (5-Methylamino-2'-Deoxy)**, synthesis/activity-antiviral agents 79.
- Cytidine (5-(1-Propenyl)-2'-Deoxy)**, synthesis 1833.
- Cytidine (5-Propyl)**, synthesis 1833.
- Cytidine (5-Propyl-2'-Deoxy)**, synthesis 1833.
- Cytidine (pseudoiso)**, modified, synthesis 4634.
- Cytidine (2-Seleno)**, synthesis 6585.
- Cytidine (spongo)**, synthesis 3389.
- Cytidine (2-Thio)**, alkylated, containing, tRNA Phe, inactivation-yeasts tRNA nucleotidyltransferase 6700. conformation, n.m.r. 5760. copolymers-cytidine, physical/templates properties 2367.
- Cytidine (2'-Thio-2'-Deoxy)**, esters, enzymatic hydrolysis 3394.
- Cytidine deaminase**, activity, human skin fibroblasts/rabbits kidney cell culture 547.
- Cytidyl (deoxy)-(3',5')-guanosine (deoxy)**, complex-platinum derivatives, structure 2363.
- Cytidyl (3',5')-Adenosine**, phenylalanine derivatives, inhibition-peptidyltransferase, *Escherichia coli* ribosomes 2423.
- Cytidyl (3',5')-Guanosine**, complex-acridine orange, structure, X-ray crystallography 6640. interaction-ethidium/9-aminoacridine/proflavine, energetics 6639.
- Cytochrome b5**, biosynthesis, endoplasmic reticulum membranes-bound ribosomes, liver, rats 3504.
- Cytochrome c**, genes, yeasts, identification/isolation 2082.
- Cytochrome c oxidase**, subunits, genes, yeasts, analysis 6222.
- Cytochrome P-450**, activity, hepatocytes, mice, effects on, poly(I-C) 743.
- Cytokinins**, activity, *Dahlia variabilis* tRNA 6598. activity, distribution-*Triticum aestivum* tRNA 5326. activity, *Nicotiana glutinosa*, tobacco ringspot virus infection, effects on 5276. activity, pyrimidines derivatives 688. activity, tobacco mosaic virus RNA 3367. analogues, inhibition-adenine (N⁶-benzyl) incorporation-*Nicotiana tabacum* RNA 4621. binding-adenosine (N⁶-benzyl) antibodies, specificity 5176. binding-*Mercurialis annua* ribosomes 6575. binding-*Nicotiana tabacum* cells 49. chromatography (thin-layer) 692. determination, methodology 3377. effects on growth, *Secale cereale* leaves 718. effects on RNA polymerase activity, *Nicotiana* callus 4486. inhibition-phytohaemagglutinin induced human lymphocytes stimulation 5280. isolation-tRNA, *Spinacia oleracea* leaves/chloroplasts 51. metabolism, adenosine phosphorylase, wheat germ 5163. *Nicotiana* callus, incorporation-labelled adenine 1815. separation-chromatography (high-performance liquid) 3362. synthetic, distribution-rRNA, *Nicotiana tabacum* callus 105. cis-zeatin riboside, occurrence-*Humulus lupulus* cones 4625.
- Cytomegalovirus**, DNA, characterization 1594. DNA, replication/persistence, lymphoblastoid cell lines 7110. DNA size, comparison-human/mice 4950. early antigen, identification-DNA-binding protein 7459. gene expression, 3T3 cells, nonproductive infection 1980.

Cytomegalovirus, (continued)

human, defective, DNA, molecular weight 6177.
 induced chromatin DNA-binding protein, human embryos
 lung cells, characterization 7464.
 induction-chromatin-associated factors, infected human
 embryo lung cells, effects on chromatin structure/template
 activity 1779.
 induction-RNA polymerase, human diploid cells 1178.
 infected WI-38 cells, chromatin structure 1296.
 infection, mRNA translation, embryo cells, mice, salt
 concentration, effects on 784.
 radiation (u.v.) treated, stimulation-DNA biosynthesis,
 embryo fibroblasts, human/mice 2696.
 replication-spermatozoa, mice 6272.
 temperature-sensitive mutant, induction DNA biosynthesis/
 DNA polymerase, lung cells, rabbits/human embryos 4386.

Cytoplasmic polyhedrosis virus,

Heliothis armigera, RNA, characterization 3551.
 RNA, *Dendrolimus spectabilis* /*Lymantria dispar* /*Bombyx mori*, properties 3536.

Cytosine,

amino groups, acidity 3368.
 amino groups, n.m.r., trifluoroacetic acid, effects on 5728.
 binding-zinc 5724.
 complex-cytosinium hemitetrachlorozincate, X-ray
 crystallography 5734.
 complex formation-isopropotenol 6559.
 complex formation-7,7,8,8-tetracyanoquinodimethane 38.
 complex-zinc, n.m.r./spectroscopy (i.r.) 2903.
 deaminated, phage PBS1/phage SPO2, DNA repair-uracil-
 DNA glycosidase 2221.
 derivatives, deuterium exchange kinetics 46.
 derivatives, photohydrates, n.m.r. 1341.
 dicytosinium tetrachlorocuprate, X-ray crystallography 5727.
 fluorescent derivatives, synthesis 35.
 interaction-chloroacetaldehyde 18.
 methylated, detection-DNA, use-restriction endonuclease
 MspI 4924.
 nitration-nitronium tetrafluoroborate 2326.
 oxyethylated derivatives, synthesis 20.
 protonated, binding-anions 680.
 separation-nucleoside (deoxyribo), use-chromatography
 (high-performance liquid) 5740.
 triallyl phosphate derivatives, synthesis 5730.

Cytosine (5-Alkyl),

derivatives, amino groups, n.m.r., trifluoroacetic acid, effects
 on 5728.

Cytosine (6-Aza),

stimulation-*Escherichia coli* peptidyltransferase 4040.

Cytosine (N⁴-Benzylideneamino-1,3-Dimethyl),

synthesis 3370.

Cytosine (5-Ethynyl),

nucleosides, synthesis 1834.

Cytosine (5-Fluoro) arabinoside,

reaction-nitrogen/sulphur nucleophiles 1836.

Cytosine (5-Fluoro),

antifungal activity, *Aspergillus* 5266.
 inhibition-DNA biosynthesis, *Candida albicans* 5736.

Cytosine (1-(β -Hydroxyethoxymethyl)),

containing, dinucleoside phosphates analogues, synthesis,
 c.d. 5799.
 synthesis 1338.

Cytosine (5-Hydroxymethyl),

products, endonuclease V-sensitive, radiation (u.v.), phage T4
 DNA 3075.
 reaction-bisulphite 4021.

Cytosine (iso),

crystals, radiation (γ), e.s.r. 6562.

Cytosine (methyl),

detection-*Drosophila virilis* rRNA gene sequence 6229.

Cytosine (1-Methyl),

deamination-N-acetoxy-4-acetamidostilbene 2905.
 hemihydroiodide hemihydrate, structure, X-ray diffraction,
 poly (C), models 36.
 nitration-nitronium tetrafluoroborate 2326.

Cytosine (5-Methyl),

content, DNA, BHK-21 cells 3134.
 content, DNA, *Cuscuta reflexa* infected Medicago 6259.
 content, DNA, during liver carcinogenesis 6255.
 content, DNA, during ontogeny, rats, hydrocortisone, effects
 on 3144.
 content, DNA, *Lytechinus variegatus* spermatozoa/embryos
 3123.

distribution, BHK-21 cells DNA 1630.

distribution-DNA, plants 414.

purification/identification, DNA, embryos, chickens 1048.
 residues, hotspots, *Escherichia coli* lacI gene 1024.

Cytosine (1-Methyl-5,6-Dihydro),

deamination, kinetics/mechanisms 37.

Cytosine (1-Methyl-N⁴-Hydroxy),

hydrochloride, structure, X-ray crystallography 5264.

Cytosine (tetramethyl),

conformation 1811.

Cytosine arabinoside,

N⁴-acyl derivatives, uptake/cytotoxicity, KB cells 5769.
 analysis-chromatography (gas-liquid) 55.
 assays, human plasma, use-chromatography (high-pressure
 liquid) 2319.
 assays, human plasma, use-chromatography 3379.
 curing-*Escherichia coli* R factor R46 2916.
 cytotoxicity, double DNA replication, mechanisms 5765.
 cytotoxicity, enhancement, immobilization-liposomes, review
 2892.
 derivatives, synthesis/antitumour activity 3404.
 derivatives, synthesis/antitumour agents 1354.
 effects on mitosis, *Allium cepa* meristem 3402.
 effects on polyoma virus DNA replication 5764.
 effects on radiation (u.v.)-induced excision DNA repair,
 human lymphocytes B/lymphocytes T 6308.
 effects on radiation (X) induced DNA repair, HeLa cells
 3824.
 effects on single-stranded DNA release, DNA biosynthesis
 1851.
 immobilization-liposomes, chemotherapy 2917.
 inhibition-DNA biosynthesis, embryos, mice 2728.
 inhibition-DNA repair, normal/xeroderma pigmentosum
 human cells 6605.
 isosteres, synthesis 702.
 lipophilic esters, synthesis/characterization/biological
 activity 4030.
 phosphorothioate esters, enzymatic hydrolysis 3394.
 selection-CHO cells thymidine auxotrophs 6602.
 sensitivity, tumours cells, mice, thymidine, effects on 3407.
 separation-cytidine/cytidine (deoxy), use-sugar-borate
 complexation 53.
 5-substituted derivatives, synthesis/antiviral activity-herpes
 simplex virus 1 4635.
 synthesis 6581.
 transport/phosphorylation, fibroblasts, rat, kinetics 5771.
 treatment-herpes zoster/varicella, human 1361.

Cytosine nucleosides,
 chromatography 56.

Cytosine nucleotides,

chromatography 56.

furyl derivatives, synthesis 1366.

Cytosol,

effects on RNA biosynthesis, brain nuclei, mice 288.

effects on transcription, SV40 infected kidney cells, monkeys 6005.

homologous/heterologous, stimulation-RNA biosynthesis, liver, rats 915.

D-type virus,

DNA polymerase (RNA-dependent) activity following EDTA treatment 1206.

DNA sequence, detection-monkeys 2551.

Dahlia variabilis,

tRNA, cytokinins activity 6598.

Dane particles,

hepatitis B virus, associated DNA polymerase, inhibition-trisodium phosphonoformate 5150.

Darier's disease,

cells, RNA biosynthesis/protein biosynthesis, autoradiography 6882.

Datura innoxia,

male gametophytes, nuclei, DNA content 5447.

Daucus carota,

DNA, reassociation kinetics, gibberellic acid, effects on 2675.

protoplasts, exogenous deoxyribonuclease activity,

temperature effects/sodium citrate effects on 2180.

protoplasts, uptake-liposomes immobilized *Escherichia coli*

RNA 4846.

rRNA precursors, molecular weight determination 5987.

Daunomycin,

binding-DNA/polynucleotides, role-metals 4268.

complex-polyd(A-T), structure, n.m.r. 2929.

effects on adenovirus RNA stability 849.

effects on RNA biosynthesis/DNA biosynthesis, avian

myeloblastosis virus transformed cells 2107.

inhibition-deoxyribonuclease I, role-DNA intercalation 3234.

Daunomycinone,

binding-DNA/polynucleotides, role-metals 4268.

Daunorubicin,

complex-DNA, affinity constants determination 7222.

complex-DNA, antitumour activity, Ehrlich ascites tumour, mice 7231.

complex-DNA, pharmacokinetics, rabbits 3198.

complex-DNA, sensitivity-normal/leukaemia (acute nonlymphatic) cells 7233.

complex-DNA, toxicity/pharmacology, mice 7227.

complex-DNA, uptake, human leukaemia cells 7229.

complex-DNA, uptake/fate, embryo fibroblasts, rats 7228.

complex-DNA, use-chemotherapy, review 6552.

complex-DNA, use-human leukaemia (acute

nonlymphoblastic) treatment 7235.

complex-DNA, use-leukaemia (acute)/bronchogenic carcinoma treatment 7234.

complex-DNA, use-leukaemia (acute nonlymphatic) treatment 7232.

interaction-chromatin, Ehrlich ascites tumour cells 6500.

interaction-DNA, localization-Ehrlich ascites tumour cells 965.

Daunorubicinol,

complex-DNA, pharmacokinetics, rabbits 3198.

DEAE-dextran,

interferon-induction, L-929 cells 5315.

Defective-interfering particles,

+ vesicular stomatitis virus, infected BHK cells, RNA biosynthesis 6828.

Bunyamwera virus, characterization 1472.

genomes, comparison-herpes simplex virus 1/herpes simplex virus 2 4330.

herpesvirus (equine) 1, characterization 3737.

Newcastle disease virus, isolation/characterization 4755.

phage f1, DNA, nucleotide sequence analysis 4314.

poliovirus 1, RNA, initiation-translation, products

identification 6062.

pseudorabies virus, DNA structure during evolution 7056.

RNA, poliovirus, deletion, mapping 4169.

RNA, Semliki forest virus, characterization, cloned *Aedes albopictus* cells 4171.

RNA polymerase products, vesicular stomatitis virus, RNA, nucleotide sequence 868.

Semliki Forest virus, production/characterization, embryo fibroblasts, chickens/mammalian cells 896.

Sindbis virus, RNA, oligonucleotides mapping 3545.

vesicular stomatitis virus, RNA replication, nucleocapsids 3584.

Demycarosylurimycin H,effects on peptidyltransferase, *Escherichia coli* 3499.**Dendroceras reticulatum,**

rRNA, characterization 1953.

Dendrolimus spectabilis,

cytoplasmic polyhedrosis virus, RNA, properties 3536.

Dengue virus 2,

RNA 40S, methylation status 5949.

Densonucleosis virus,

DNA, molecular weight determination 3730.

2'-Deoxycocformycin,

potentiation-adenosine (3'-deoxy) inhibition-RNA biosynthesis, leukaemia L1210 5279.

Deoxycytidine kinase,

purification methodology 548.

2-Deoxyglucose,

effects on DNA replication, adeno-associated virus 4384.

Deoxynucleotide kinase,

genes, phage T2 DNA, identification-transcription strand 478.

Deoxyribodipyrimidine photolyase,occurrence-*Prionace glauca* 2113.

yeasts, DNA repair 1096.

Deoxyribonuclease,*Achatina fulica*, purification/characterization 2182.activity, rats, tissues, radiation (γ), effects on 4480.activity, *Streptomyces aureofaciens* mycelia 5133.activity, *Vespa orientalis* venoms, effects on bees/cats/mice 1161.*Alteromonas espejiana*, use-probes, closed circular

superhelical DNA secondary structure 3888.

assays, plasma, inhibition-daunorubicin + DNA 1713.

assays, use-*Staphylococcus aureus* detection 3229.*Bacillus subtilis*, inhibition-DNA-binding protein 6525.*Cancer pagurus*, sedimentation constants 6397.

effects on chromatin, rats 3312.

exogenous, effects on *Bacillus subtilis* growth 5134.exogenous activity, *Daucus carota* protoplasts, temperature effects/sodium citrate effects on 2180.

footprinting, use-DNA-protein sequence-specific binding characterization 640.

free/bound, activity, spleen, rats, radiation (X), effects on 3890.

inhibitors, DNA-binding protein, KB cells, purification/characterization 5239.

Deoxyribonuclease,(continued)

KB cells, herpes simplex virus 1/herpes simplex virus 2-induced, purification/characterization 507.
 lachrymal gland, human, detection/role 3891.
Neurospora crassa mycelia, characterization 3230.
 phage T4, substrate specificity 3889.
Phaseolus aureus, activity, salinity, effects on 3883.
 placenta penetration, rats 2188.
 rats, deoxyribonuclease I/deoxyribonuclease II/ribonuclease I/ribonuclease II leukaemia 2785.
 role-chromosome aberrations, viruses-infected cells 2181.
Saccharomyces cerevisiae mitochondria, activation-ethidium bromide, mechanisms 3232.
Saccharomyces cerevisiae mitochondria, purification/characterization 3231.
 single-stranded/double-stranded DNA breakage, measurement, methodology 2170.
Spodoptera litura larvae, characterization 2783.
Staphylococcus aureus, di-N-oxide quinoxaline derivatives, effects on 1711.
 stimulation-DNA biosynthesis, *Bacillus subtilis* 5616.
Streptococcus, characterization 6396.
Strongylocentrotus intermedius embryos, isolation/properties 6399.
Deoxyribonuclease I,
Agrobacterium tumefaciens, effects on plasmids/plants DNA 1169.
 assays, plasma, inhibition-daunorubicin + DNA 1713.
 chromatin digestion, periodicity 7323.
 cleavage-nucleosomes DNA, kinetics 1166.
 cleavage sites, nucleosomes 2185.
 cleavage sites, nucleosomes cores 3330.
 complex-actin, activation-plasma membranes, liver, rats, role-5'-nucleotidase 5644.
 complex-actin, isolation/characterization, pancreatic juice, rats 1165.
 conformation, ethanol, effects on, circular dichroism 512.
 degradation-DNA, kinetics 4481.
 degradation-rRNA gene, *Physarum polycephalum* 2186.
 digestion-chromatin, nuclei, liver, chickens, RNA polymerase II isolation 7357.
 digestion-chromatin, thymus nuclear lysate, rabbits 1267.
 digestion-globin genes, erythrocytes, chickens, role-lysine-rich histones 2844.
 digestion-hyperacetylated histones-containing chromatin 1164.
 human urine, purification/characterization 3233.
 inhibition-daunomycin/adriamycin, role-DNA intercalation 3234.
 leukaemia, rats, deoxyribonuclease 2785.
 nucleosomes spacer regions susceptibility, relationship-histones acetylation 3961.
 pancreas, cattle, pH, effects on, role-calcium 511.
 purification, methodology 2184.
 sensitive/resistant regions, brain, rats, DNA, N-methyl-N-nitrosourea treatment, alkylation products removal 7297.
 sensitivity, calf thymus chromatin, acetyl adenylate, effects on 1776.
Deoxyribonuclease II,
 activity, lysosomes, liver, mice, Friend leukaemia virus infection, effects on 5135.
 activity, skeletal muscle, rats, neurectomy, effects on 496.
 cleavage sites, nucleosomes 2185.
 degradation-DNA, deoxyribonuclease proteins, polypentose sulphate, effects on 6376.
 leukaemia, rats, deoxyribonuclease 2785.

Deoxyribonuclease T,
 teratocarcinoma cells, mice 2784.

Deoxyribonucleoproteins,

see also **Nucleoproteins**
 calf thymus, ionic strength, effects on 1794.
 calf thymus, isolation/characterization 1757.
 DNA, degradation-deoxyribonuclease II, polypentose sulphate, effects on 6376.
 double fibres formation, DNA-histone H1 interaction 7420.
 EDTA/metals effects on 1755.
 immunosuppressive factor, Ehrlich ascites tumour cells, fluids, characterization 5195.
 interaction-tetranitromethane 583.
 polytene chromosomes, DNA packaging 2869.

2-Deoxyribose,

condensation-purines/pyrimidines, catalysis-amino acids 5748.

Deoxyuridinetriphosphatase,

Escherichia coli, purification/characterization 555.
 human blast cells, purification/characterization 6443.
 induction deficient phage T5 mutants, uracil-containing DNA biosynthesis, *Escherichia coli* 7384.

Detergents,

effects on *Aspergillus niger* ribonuclease 6384.

Deuterium,

isotopes, dimethylnitrosamine, effects on DNA damage, liver, rats 6978.

Dexamethasone,

effects on amylase mRNA biosynthesis, pancreas, rats, development 903.
 effects on DNA ligase, thymus, embryos, chickens 6447.
 effects on mammary tumour virus expression-BALB/c cells 6829.
 effects on murine leukaemia virus replication 6830.
 induced, growth-inhibitory response, glioma cells, rats, relationship-DNA metabolism 1100.
 induced mRNA activity, HTC cells, effects on/hormones withdrawal, effects on 846.
 receptors, complex, binding-DNA-cellulose 2042.
 receptors complex, binding-DNA, liver, rats 6997.
 receptors complex, interaction-Zajdela hepatoma DNA 5683.
 receptors complex, liver, rats, interaction-DNA 5246.

Dexamethasone,

effects on DNA biosynthesis, herpes simplex virus 1 1072.

Diadrienes,

intercalation-DNA 2050.

Diadenosine monophosphate,

conformation, termini phosphates, effects on 4666.

4',6'-Diamidine-2-phenylindole,

interactions-synthetic polynucleotides 6638.

4',6-Diamidine-2-Phenylindole,

interaction-DNA, fluorescence 344.
 selective staining-double-stranded DNA 6967.

4',6-Diamidino-2-Phenylindole,

inhibition-RNA polymerase, *Escherichia coli* /Friend leukaemia virus-infected spleen, mice, dependence-templates base composition 518.

Diaminobenzonic acid,

use-DNA measurement 945.

Diaminomaleonitrile,

reaction-isocyanate, use-pyrimidines synthesis 1809.
 ribosyl derivatives, intermediates-nucleosides synthesis 3387.

cis-Diammine platinum (II),
binding-calf thymus DNA, spectroscopy (X-ray) 2565.
interaction-poly (A)/poly (C)/poly (G) 5805.

trans-Diammine platinum (II),
binding-calf thymus DNA, spectroscopy (X-ray) 2565.

Dianhydrogalactitol,
interaction-DNA, Yoshida sarcoma cell culture 1577.

Diapause,
effects on RNA biosynthesis/content, *Bombyx mori* eggs 4822.

Diazonium 1-(H)-tetrazole,
modified ribonuclease T1, interaction-cytidine + guanine nucleotides 2176.

Dibenz(a,h)anthracene,
diol epoxide, interaction-phage ϕ X174 DNA 6106.

Dibenzo(a,e)fluoranthene,
binding-DNA/tRNA/polynucleotides, microsomes, liver 1564.

Dibromoethylacetate,
modification-denatured DNA 4913.
modification-DNA 4915.

Dibromomethyl acetate,
modification-DNA, base composition determination applications 3687.

Dibutyltin,
effects on DNA labelled thymidine incorporation, skin, rats 5555.

4',6-Dicarboxamide-2-Phenylindole,
interaction-DNA, fluorescence 344.

Dichlorodiammine platinum (II),
binding-DNA, thiourea, effects on 7099.

binding-IMP, stoichiometry 1857.
DNA-proteins cross-linking, leukaemia cells, mice 6985.

cis-Dichlorodiammine platinum (II),
antimitotic activity, normal/cancer cells, DNA binding, effects on 1683.
binding-DNA, effects on structure/RNA biosynthesis 6958.
complex-IMP, structure 5786.

DNA cross-linking, mice leukaemia L1210 cells, kinetics 1571.

DNA damage, lung cells, Chinese hamsters, comparison-trans-dichlorodiammine platinum II 6959.

DNA sensitivity, Chinese hamsters cells 6956.

effects on DNA biosynthesis, HeLa cells 4409.
induced damage, Chinese hamsters cells, excision DNA repair 7155.

inhibition-DNA biosynthesis, Chinese hamsters cells, mechanisms 4407.

interaction-DNA, antitumour activity, review 5711.

interaction-DNA, relationship-DNA repair 6093.

mutagenesis, human lymphocytes 2718.

trans-Dichlorodiammine platinum (II),
DNA cross-linking, mice leukaemia L1210 cells, kinetics 1571.

DNA damage, lung cells, Chinese hamsters, comparison-cis-dichlorodiammine platinum II 6959.

induced proteins cross-linking-DNA, leukaemia cells, mice, quantitation, methodology 6542.

2,4-Dichlorophenoxyacetic acid,
effects on RNA biosynthesis, *Pisum* epicotyls 2508.

effects on rRNA precursors processing, *Acer pseudoplatanus* cells 3593.

5,6-Dichlororibofuranosylbenzimidazole,
effects on adenovirus (human) 2 transcription 4211.
inhibition-RNA polymerase, mammals 529.

interferon superinduction, human fibroblasts, role-mRNA stability 2002.

Dicrostonyx torquatus chionopaes,
DNA, characterization 3131.

Dictyostelium,
mRNA, 5'-terminus repeated sequence 4788.

Dictyostelium discoideum,
actin genes, characterization 1613.
actin genes, identification/analysis 2164.
differentiation, RNA degradation 943.

DNA, homologous-actin-mRNA, containing, plasmid M6, structure 2070.

DNA biosynthesis 2682.

glycosidases, mutants, mapping 1039.

radiation-sensitive mutants, DNA repair, radiation (u.v.)-induced damage 5551.

radiation-sensitive/resistant strains, radiation (u.v.) induced DNA repair 5550.

ribosomes/rRNA metabolism during development 5887.

mRNA, abundance changes during development 5925.

mRNA, repeated sequence content 5970.

rRNA biosynthesis, disaggregation-induced repression 6026.

rRNA biosynthesis, uridine (5-bromodeoxy), effects on 4208.
RNA biosynthesis/protein biosynthesis, formycin/formycin B/toycamycin, effects on 278.

rRNA gene, restriction endonuclease analysis 3760.

RNA polymerase, purification/characterization, activity during development 1180.

RNA 4-12S, electrophoresis 236.

spores, RNA biosynthesis/protein biosynthesis during germination 3616.

vegetative cells, mRNA, fractionation/function analysis 4244.

Dieldrin,
effects on RNA biosynthesis, macrophages 6890.

Diethyl pyrocarbonate,
inhibition-ribonuclease 491.

Diethyl sulphate,
alkylation-uracil/3'-TMP/thymidyl-(3',5')-thymidine, catalysis-tetrabutylammonium fluoride 2313.

Diethylnitrosamine,
induced damage, DNA repair, kidney, rats 4404.
pretreatment, effects on DNA repair, guanine (O⁶-methyl) excision 7161.

treated, liver, rats, DNA, thymidine (O²-ethyl) formation 5466.

Diethylpyrocarbonate,
chemical modification-*Escherichia coli* RNA polymerase 6407.

Diethylstilboestrol,
effects on chickens ovalbumin genes transcription 4203.
effects on DNA polymerase α /DNA polymerase β activity, oviduct, quails 7376.

treated, human, vagina/cervix squamous cells, DNA content 322.

Diethylsulphate,
induced mutations, DNA biosynthesis during germination, *Oryza sativa*, seeds 3843.

α -Difluoromethylornithine,
effects on DNA biosynthesis/RNA biosynthesis/protein biosynthesis, human lymphocytes 3187.

Dihydrofolate dehydrogenase,
mRNA, abundance, methotrexate-resistant 3T6 cells, control-polyoma virus/AMP (cyclic) 4252.

4',5'-Dihydropsoresalen,
reaction-purines/pyrimidines 6560.

1,25-Dihydroxycholecalciferol,
stimulation-calcium-binding protein mRNA biosynthesis,

1,25-Dihydroxycholecalciferol, (continued)

intestine, chickens 1983.

Dimethoate,

effects on DNA/RNA content, *Periplaneta americana* 5041.
effects on *Poecilocus pictus* chromosomes 2236.

Dimethyl selenoxide,

modification-uracil (thio)/nucleoside (thio)/nucleotide (thio) 682.

Dimethyl sulphate,

alkylation-purines/pyrimidines/nucleosides/nucleotides 4613.
alkylation-uracil/3'-TMP/thymidyl-(3',5')-thymidine,
catalysis-tetrabutylammonium fluoride 2313.

methylation-*Escherichia coli*/yeasts tRNA-*Escherichia coli*,
tRNA, methylation-tRNA methyltransferases/
dimethylsulphate 748.

reaction-nucleosomes DNA, erythrocytes, chickens, histones,
effects on 5223.

specificity-tRNA methylation, *Escherichia coli*/yeasts/
Novikoff hepatoma/liver, rats 5824.

Dimethyl sulphoxide,

+ uridine (bromodeoxy), treatment, Friend erythroleukaemia
cells, effects on Friend leukaemia virus mRNA expression
6044.

effects on differentiation, Friend erythroleukaemia cells,
review 4579.

effects on lactose repressor-operator interaction 1304.

effects on polyribosomes, liver, rats 2428.

effects on RNA polymerase activity, liver, rats 522.

stimulation DNA biosynthesis, Novikoff hepatoma cells 466.
uncoating-tobacco mosaic virus 5680.

Dimethyladipimate,

inhibition-DNA biosynthesis, lymphocytes 4429.

Dimethyl-10,12-Benz(a)acridine,

effects on RNA biosynthesis, normal/Rous sarcoma virus-
transformed fibroblasts, chickens/mice 6908.

7,12-Dimethylbenz(a)anthracene,

binding-BHK-21 cells DNA 6982.

binding-DNA, embryo cells, hamsters, light, effects on 2574.

binding-DNA, embryo cells, mice, comparison-7-
hydroxymethyl>-12-methylbenz(a)anthracene 6108.

binding-DNA, foetal/maternal tissues, rats 3673.

binding-DNA, human diploid fibroblasts 2053.

binding-DNA, mammary gland organ culture, mice,
relationship-carcinogenesis 4901.

binding-DNA, mice 2056.

binding-DNA, spectroscopy (fluorescence) 348.

binding-DNA, Syrian hamsters embryos cells, comparison-5-
fluoro-7,12-dimethylbenz(a)anthracene 6977.

damage-human DNA, carcinogenesis 957.

induced mammary gland adenocarcinoma, rats, endogenous
replication-defective oncornavirus RNA expression 4470.

trans-3,4-dihydrodiol metabolites, binding-DNA 1565.

treatment, DNA repair, Syrian hamsters embryos cells 7156.

4,8-Dimethyl-5'-Carboxypsoralen,

synthesis/interaction-DNA 4272.

1,2-Dimethylhydrazine,

alkylation-DNA, liver/kidney, rats, inhibition-
aminoacetonitrile 4899.

DNA alkylation, relationship-susceptibility-colon
carcinogenesis, mice strains 2054.

effects on DNA biosynthesis, colon organ culture, rabbits
2138.

induction-damage DNA, mice 3674.

methylation-DNA, mechanisms 4900.

methylation-purines, DNA, organs, rats, disulfiram
pretreatment, effects on 4277.

2,3-Dimethylmaleic anhydride,

modification-*Escherichia coli* ribosomes 6715.

Dimethylnitrosamine,

DNA damage, liver, rats, deuterium isotopes, effects on 6978.
DNA methylation, organs, rats 6983.

effects on guanine (O⁶-methyl) excision, DNA, liver, rats
7159.

effects on RNA biosynthesis/poly (A) distribution, liver, mice
1515.

guanine (O⁶-methyl), DNA repair, excision,
dipropylnitrosamine/diethylnitrosamine pretreatment, effects
on 7161.

guanine (O⁶-methyl) formation, DNA, liver/kidney, rats 1567.
induced, DNA methylation, liver, hamsters, methylated
purines, formation/loss 5042.

induced damage, DNA, liver, rats 6296.

induced damage, DNA repair, kidney, rats 4404.

induced damage, liver, rats, DNA repair, guanine (O⁶-
methyl) excision 2712.

induction-DNA repair, kidney cell cultures, mice 3817.

inhibition-DNA biosynthesis, mitochondria, liver, mice 3831.

inhibition-guanine (O⁶-methyl) removal, DNA, liver/kidney,
rats/mice 1089.

methylated purines formation, DNA, liver, rats,
hypophysectomy effects on 3675.

methylation-RNA/deoxyribonuclease I-treated DNA,
chromatin, liver, rats 4276.

production-methylated purines, liver DNA, rats, removal
mechanisms 1652.

treated, liver/kidney, rats, thymidine incorporation, inhibition-
hydroxyurea 1088.

treated, rats, DNA, guanine (7-methyl) distribution 1052.

treated rRNA, liver, hamsters, methylated products, analysis
4159.

3,3-Dimethyl-1-Phenyltriazeno,

alkylation-DNA, role-neuro-oncogenesis, rats 2580.

2,4-Dinitrophenol,

effects on RNA metabolism, *Helianthus tuberosus* tubers
following excision 6047.

Dinoflagellates,

DNA, modified bases, distribution 1611.

Dinucleoside (5'-Amino) monophosphate,
synthesis 133.

Dinucleoside diphosphates,

alkylated pyrimidines-containing, synthesis/stimulation-
tRNA binding-ribosomes 4674.

Dinucleoside monophosphates,

adenosine (2'-deoxy)-containing, synthesis 6633.

adenosine (8-methyl)-containing, conformation, n.m.r. 3426.

adenosine (8,2'-S-cyclo), n.m.r. 115.

methylation products, mass spectroscopy 2348.

residues helix parameters evaluation 6668.

specificity, ribonuclease U2 505.

synthesis 5307.

synthesis/physical properties, use-adenosine + adenosine (8-
methyl) 136.

Dinucleoside phosphates,

analogues, cytosine (1-(β -hydroxyethoxymethyl))/adenine (9-
(β -hydroxyethoxymethyl)) containing, synthesis, c.d. 5799.

complementary complex, DNA conformation, models 1583.

phosphoramidate analogues, synthesis 5798.

photoionization, cations radicals, e.p.r. 3083.

synthesis 5308.

synthesis, *Penicillium claviforme* ribonuclease, acceptors
modification, effects on 6656.

Dinucleoside triphosphates,

concentration, human bone marrow, anaemia

Dinucleoside triphosphates, (continued)

(megaloblastic), uridine (deoxy), effects on 1854.

Dinucleotides,

see also **specific nucleotides**

binding-ethidium bromide 2058.

derivatives, activation-polystyrene sulphonyl chloride, use-oligonucleotides synthesis 6634.

imidazolides, synthesis, prebiotic reactions 733.

initiation-phase T4 DNA transcription in vitro 1499.

interaction-ribonuclease T1, kinetics 1159.

Di-N-Oxide quinoxaline,

derivatives, effects on *Staphylococcus aureus*

deoxyribonuclease 1711.

Dipropylnitrosamine,

pretreatment, effects on DNA repair, guanine (O⁶-methyl) excision 7161.

Dipyrene,

effects on RNA/DNA content, placenta/liver, rats 4424.

Discoglossus pictus,

DNA biosynthesis during metamorphosis 2687.

Distamycin,

complex-DNA, spectroscopy (Raman) 2570.

effects on calf thymus DNA properties 6118.

Distamycin A,

analogues, interaction-synthetic polydeoxyribonucleotides 3432.

binding-DNA, role-pyrrolcarboxamide groups 3061.

effects on DNA separation 951.

inhibition-N-methyl-N-nitrosourea methylation-chromatin DNA 972.

Disulfiram,

inhibition-Rous sarcoma virus DNA polymerase (RNA-dependent)/eukaryotes cells DNA biosynthesis 545.

pretreatment, effects on purines methylation-1,2-dimethylhydrazine, DNA, organs, rats 4277.

5,5'-Dithiobis(2-Nitrobenzoic acid),

reaction-calf thymus histone H3 2837.

Dithranol,

suppression-DNA biosynthesis, epidermal cells, skin, mice, radiation (u.v.), effects on 2708.

Diurnal variations,

DNA biosynthesis, lung cells, mice 5017.

DNA,

see also **Satellite DNA**

A-form + B-form, boundary flexibility 1582.

A-form/B-form, intercalation-adriamycin analogues 7013.

A-form-B-form transition 977.

A-type particles, occurrence-mammary gland tumour cells/hybrids, mice 6941.

accumulation, *Bombyx mori* silk gland, relationship-fibroin biosynthesis 2742.

accumulation, rates, cerebellum, rats, relationship-TMP synthetase activity, hypothyroidism, effects on 5545.

Acetabularia cliftonii chloroplasts, characterization 2656.

N-acetoxy-2-acetylaminofluorene adducts formation, human/mice cells, radioimmunoassay 6105.

N-acetyl-2-acetylaminofluorene modified, antibodies, characterization 4532.

acids degradation products, separation-chromatography (cation-exchange) 1553.

Actinomyces viscosus / *Actinomyces naeslundii* strains, hybridization, comparison 7059.

adducts-benz(a)pyrene diol epoxide, fluorescence 6971.

adducts-7-bromomethylbenz(a)anthracene, Chinese hamsters cells, inhibition-caffeine 2715.

adenine + thymine-rich, binding-calf thymus histone H1 5661.

adenine (1-methyl) determination, use-chromatography (high-performance liquid) 3088.

adenine-thymine base pair, electronic structure 1581.

adeno-associated virus, structure, role-replicative intermediates 4318.

adenovirus (bovine) 3, restriction endonuclease cleavage mapping 1002.

adenovirus, homology 3725.

adenovirus (human) 2, complex-*Escherichia coli* RNA polymerase, poly (I), effects on 6410.

adenovirus (human) 12, transcription regions, mapping 1003.

adenovirus (human) 12-transformed rats cell lines, transforming sequence analysis 7043.

adenovirus (human) 2, accumulation-nucleosomes-like particles, infected HeLa cells 6484.

adenovirus (human) 2, complex-proteins, assays 1796.

adenovirus (human) 2, content, transformed hamsters cell lines, analysis, methodology 6935.

adenovirus (human) 2, expression-*Acetabularia* cells 4451.

adenovirus (human) 2, hexon gene C-terminus, nucleotide sequence 3723.

adenovirus (human) 2, interaction-wheat germ RNA polymerase II 7352.

adenovirus (human) 2, nucleosomes-like subunits 4321.

adenovirus (human) 2, occurrence-5'-terminus proteins 6533.

adenovirus (human) 2, mRNA coding regions/leaders sequence junction, nucleotide sequence 2618.

adenovirus (human) 2, termini, nucleotide sequence 6170.

adenovirus (human) 2, termini inverted repeat, nucleotide sequence 6169.

adenovirus (human) 2, 5'-terminus, binding-early infection proteins products 6532.

adenovirus (human) 2, transcription-RNA polymerase III, infected HeLa cells, in vitro 3900.

adenovirus (human) 2/adenovirus (human) 5, localization-*Streptomyces stanfordii* restriction endonuclease cleavage sites 6173.

adenovirus (human) 2-SV40 hybrids, characterization 3726.

adenovirus (human) 2/*Xenopus* oocytes, transcription-RNA polymerase III, fidelity-human/mice/amphibians, cells 7358.

adenovirus (human) 5, replication in vitro 3794.

adenovirus (human) 5, temperature-sensitive mutant/host range mutants, mapping 2620.

adenovirus (human) 5, temperature-sensitive mutations, mapping 2622.

adenovirus (human) 5, transforming fragments, nucleotide sequence 6171.

adenovirus (human) 5 temperature-sensitive mutant, replication in vitro 425.

adenovirus (human) 5 temperature-sensitive mutant-infected KB cells, characterization 6175.

adenovirus (human) 2, restriction endonuclease EcoRI fragments, mapping 6172.

adenovirus, integration-transformed KB cells 1127.

adenovirus (simian) 38, physicochemical properties 4949.

adenovirus (simian) 38, physicochemical properties/restriction endonuclease maps 6174.

adenovirus (simian) 7, transcription/replication, infected cells, monkeys 4383.

adenovirus (simian) 7, transforming/tumorigenesis activity 6337.

adenovirus, structure/function, review 1334.

adenovirus/papovavirus, mapping, review 4598.

adriamycin complex, preparation 3665.

affinity-histones, role-non-ionic interaction 1768.

afatoxin B1 adducts, identification, human bronchus/colon 5456.

DNA,(continued)

- Akodon*, characterization 6237.
 AKR cells, embryos, mice, AKR leukaemia virus isolation following transfection 1688.
 alkylation, sites/mechanisms 4290.
 alkylation-1,2-dimethylhydrazine, relationship-susceptibility-colon carcinogenesis, mice strains 2054.
 alkylation-3,3-dimethyl-1-phenyltriazene, role-neuro-oncogenesis, rats 2580.
 alkylation-oligo (A) derivative 970.
Allium, properties 3137.
Allium cepa, characterization 3791.
Allium cepa, uracil (bromo)-substitution, photosensitivity, effects on 4906.
Amphidinium carterae, characterization 6223.
Anabaena variabilis chromosomes, physicochemical properties 3764.
 analysis, adeno-associated virus autointerference 3724.
 analysis, arginine-deprived herpes simplex virus 1 2625.
 analysis, phage P1 virions 5494.
 Angelotti, herpes simplex virus 1, genomes structure analysis, reassociation kinetics 3739.
 angiotensin structural gene, oligonucleotides synthesis 2030.
 antibiotics binding constants, determination 6099.
 antibodies, N-acetoxy-2-acetylaminofluorene-modified, purification/properties 580.
 antibodies, activity, immunoglobulin G, human serum 5653.
 antibodies, ammonium sulphate assays, evaluation 3936.
 antibodies, assays 1241, 5652.
 antibodies, assays, systemic lupus erythematosus, use-ethidium bromide fluorescence 3937.
 antibodies, assays, systemic lupus erythematosus 4528.
 antibodies, assays, systemic lupus erythematosus pleural effusion 5186.
 antibodies, binding avidity, serum, human systemic lupus erythematosus 5187.
 antibodies, detection, human *Plasmodium falciparum* infection 6456.
 antibodies, detection, systemic lupus erythematosus 1240, 7408.
 antibodies, detection-haemagglutination (passive)/haemolysis 2228.
 antibodies, detection-human multiple sclerosis/subacute sclerosing panencephalitis 2229.
 antibodies, determination, serum, human psoriasis 6459.
 antibodies, human systemic lupus erythematosus, characterization 2227.
 antibodies, human systemic lupus erythematosus, immunochemical characterization 7405.
 antibodies, induction-*Bordetella pertussis*, mice 5188.
 antibodies, production, normal/autoimmune mice 6460.
 antibodies, radioimmunoassay, methodology 2225.
 antibodies, relationship-subepidermal immunoglobulins deposits, systemic lupus erythematosus 4530.
 antibodies, serum content, systemic lupus erythematosus, diagnosis 1754.
 antibodies, systemic lupus erythematosus, purification/characterization 3935.
 antibodies, systemic lupus erythematosus, binding properties 3938.
 antibodies, use-connective tissue diseases diagnosis, children 2830.
 antibodies complex, stability, systemic lupus erythematosus 3286.
 antibodies detection, systemic lupus erythematosus 6457.
 antigen T N-terminus coding, BK virus, nucleotide sequence 3728.
 antigens-stimulated human lymphocytes, coding-specific antibodies 7289.
 argF gene, *Escherichia coli*, restriction endonuclease mapping 6207.
 arrangement, injection-defective phage λ 995.
Ascaris suum, characterization/reassociation kinetics 4359.
 ascites tumour cells, pyrimidines rich regions, distribution 5006.
Aspergillus nidulans, degradation, induction-radiation (u.v.) 6991.
Aspergillus nidulans, purification 2018.
 assays, methodology 2548.
 assays, methodology, proteinase extraction 2014.
 assays, plasma, use-pulmonary embolism diagnosis 1682.
 assays, use-modified acriflavine-Feulgen reagent 2547.
 associated proteins, *Streptococcus pneumoniae*, purification 2877.
 association-enzymes, rate 2566.
 association-histone H3/histone H4 2834.
 association-proteins, in vitro, adenovirus (human) 5 infected HeLa cells 4562.
 attachment-nuclei matrix, mammals cells 3295.
Autographa californica nuclear polyhedrosis virus, restriction endonuclease analysis 1588.
Autographa californica nuclear polyhedrosis virus, mapping 3743.
 autologous, induction-lymphocytes transformation 3200.
 avian sarcoma virus, integration-infected cells, review 670.
 avian sarcoma virus, purification-infected QT6 cells, methodology 3059.
 avian sarcoma virus, restriction endonuclease mapping 2623.
Azotobacter vinelandii, characterization/comparison-*Escherichia coli* 7060.
 B-form, adenine + thymine base pairs, electrostatic potential 4289.
 B-form, caesium cations location, X-ray crystallography 6953.
 B-form, electrostatic potential, backbone 7006.
 B-form, structure, poly d(A.T) models, X-ray diffraction 7008.
 B-form-A-form transitions, induction-spermine/spermidine 4295.
Bacillus brevis, binding-RNA polymerase, inhibition-gramicidins, sporulation 1723.
Bacillus licheniformis/*Bacillus thuringiensis* phage, degradation-restriction endonuclease EcoRI 485.
Bacillus licheniformis phages, characterization 5491.
Bacillus megaterium plasmids, restriction endonuclease cleavage mapping 4302.
Bacillus stearothermophilus, resistance-N-methyl-N-nitrosourea/radiation (γ)/radiation (u.v.) induced damage 3810.
Bacillus subtilis, cross-linking-nitrogen mustard, transformation, effects on 3682.
Bacillus subtilis chromosomes/*Staphylococcus aureus* R factors, replication, hydroxyurea, effects on 3175.
Bacillus subtilis mutants, replication/repair/recombination, review 3355.
Bacillus subtilis phage ϕ 29, RNA polymerase binding sites/transcription mapping 3709.
Bacillus subtilis phage SPP1, mapping/localization-replication origins 1588.
Bacillus subtilis phage SPP1, restriction endonuclease fragments arrangement 4957.
Bacillus subtilis phage SPP1, structure 4945.
Bacillus subtilis restriction endonuclease recognition sequence, localization-methylated nucleotides 3753.

DNA,(continued)

- Bacillus subtilis* spores, transcription asymmetry 3610, 3611.
Bacillus subtilis spores/vegetative cells, temperature effects 1604.
Bacillus subtilis sporulation genes, cloning 1692.
 backbone, conformation 6129.
 backbone, conformational heterogeneity, n.m.r. 2064.
 backbone conformation determination, use-algorithms 6128.
 bacteria, characterization, heat transitions 6197.
 bacteria, purification, methodology 6949.
 bacteria, seawater hydrolysis kinetics 7295.
 bacteria genomes, size 5009.
 bacteria/phages, renaturation kinetics 1606.
 bacterial, uptake/fate-*Euglena* /*Ochromonas* /*Polyedriella* /*Porphyridium* /*Scenedesmus* 1115.
Bacteroides melaninogenicus strains, base composition 4963.
 base composition, analysis-mass spectroscopy 2593.
 base composition, *Bacillus* 2638.
 base composition, cyanobacteria 6199.
 base composition, *Enterobacter* 3110.
 base composition, hepatocytes nuclei, rats, age, effects on 410.
 base composition, *Mycobacterium* 3115.
 base composition, oncogenic bacteria 1603.
 base composition, plants 1057.
 base composition, plants, trifluoromethylphenyldimethylurea, effects on 4916.
 base composition analysis 4926.
 base stacking determination, optimized potential function 373.
 bases, content, identification-*Streptococcus mutans* strains 1034.
 bases, interaction 6127.
 benzo(a)pyrene adducts formation, human fibroblasts 5463.
 BHK-21 cells, binding-benz(a)anthracene/3-methylcholanthrene/7,12-dimethylbenz(a)anthracene 6982.
 BHK-21 cells, cytosine (5-methyl) content 3134.
 BHK-21 cells, cytosine (5-methyl) distribution 1630.
 binding, effects on cis-dichlorodiammine platinum (II) antimitotic activity, normal/cancer cells 1683.
 binding, nonhistone proteins, characterization, erythroid cells, chickens 609.
 binding-N-acetoxy-2-acetylaminofluorene, linear dichroism 3678.
 binding-2-acetylaminofluorene, liver nuclei, rats, activation 5460.
 binding-acridine dimers, kinetics 6117.
 binding-acridine orange, fluorescence 966, 6103.
 binding-4'-(9-acridinylamino)methanesulfon-m-aniside, inhibition-DNA polymerase (RNA-dependent) 958.
 binding activity, *Haemophilus parainfluenzae* membrane vesicles 6527.
 binding-aflatoxin B1 2046.
 binding-aflatoxin B1, adducts formation, *Salmonella typhimurium* 4270.
 binding agents, use-chromosomes labelling, mammals 1785.
 binding-3-amino-1-methyl-5H-pyrido[4,3-b]indole, rats liver microsomes mediated 6988.
 binding-aminoquinone antibiotics, hydroxyl radicals formation, role-degradation 5453.
 binding-benzo(a)pyrene, human colon 2576.
 binding-benzo(a)pyrene, liver, rats, aryl hydrocarbon hydroxylase activity, effects on 2577.
 binding-benzo(a)pyrene, mice, comparison-strains 4895.
 binding-benzo(a)pyrene, mice skin in vivo/rats liver microsomes/nuclei, in vitro 3065.
 binding-benzo(a)pyrene, models systems 5465.
 binding-benzo(a)pyrene derivatives, catalysis-peroxidase 6973.
 binding-benzo(a)pyrene diol epoxide 4275.
 binding-benzo(a)pyrene diol epoxide, inhibition-DNA biosynthesis in vitro 6284.
 binding-benzo(a)pyrene metabolites, embryo fibroblasts, mice 6972.
 binding-benzo(a)pyrene metabolites, hepatocytes, 3-methylcholanthrene-treated rats 2055.
 binding-benzo(a)pyrene metabolites, human lymphocytes/liver microsomes 3671.
 binding-benzo(a)pyrene metabolites, liver, rats 1562.
 binding-benzo(a)pyrene metabolites, liver, mice, microsomes enzymes inducers, DNA 4274.
 binding-benzo(a)pyrene metabolites, lung, rats 1563.
 binding-benzo(a)pyrene/3-methylcholanthrene/7,12-dimethylbenz(a)anthracene, human diploid fibroblasts 2053.
 binding-benzo(a)pyrene/3-methylcholanthrene, lung/liver, mice, comparison-in vivo/in vitro 3670.
 binding-chlorambucil, tumour-bearing rats 971.
 binding-chromatin nonhistone proteins, liver, chickens 7421.
 binding-coumarins/furocoumarins derivatives 4888.
 binding-daunomycinone/daunomycin/adriamycin, role-metals 4268.
 binding-dexamethasone-receptors complex, liver, rats 6997.
 binding-diazobenzyloxymethyl paper, use-RNA assays 2972.
 binding-dibenzo(a,e)fluoranthene, microsomes, liver 1564.
 binding-dichlorodiammine platinum II, thiourea, effects on 7099.
 binding-7,12-dimethylbenz(a)anthracene, foetal/maternal tissues, rats 3673.
 binding-7,12-dimethylbenz(a)anthracene, mammary gland organ culture, mice, relationship-carcinogenesis 4901.
 binding-7,12-dimethylbenz(a)anthracene, spectroscopy (fluorescence) 348.
 binding-7,12-dimethylbenz(a)anthracene/benzo(a)pyrene, embryo cells, hamsters, light, effects on 2574.
 binding-7,12-dimethylbenz(a)anthracene trans-3,4-dihydrodiol metabolites 1565.
 binding-distamycin A, role-pyrrolcarboxamide groups 3061.
 binding-*Escherichia coli* catabolic activator protein 3663.
 binding-estradiol-receptor complex, uterus, mice, inhibition-Cibacron blue 5682.
 binding-ethidium bromide 2058.
 binding-ethidium bromide, thermodynamics 3667.
 binding-ethidium bromide derivatives 6104.
 binding-ethidium bromide bis-phenanthridinium salt 1572.
 binding-ethidium bromide/quinacrine hydrochloride, histones, effects on 4537.
 binding-ethidium homodimers/ethidium-acridine heterodimers 1573.
 binding-ethidium monoazide, fluorescence 3078.
 binding-ethinyloestradiol/oestrone, liver, rats 3080.
 binding-N-2-fluorenylacetamide, assays 6979.
 binding-glucocorticoid receptors, analysis 364.
 binding-HeLa cells DNA polymerase α 1736.
 binding-histones, dissociation/reassociation 601.
 binding-7-hydroxymethyl->12-methylbenz(a)anthracene, embryo cells, mice, comparison-7,12-dimethylbenz(a)anthracene 6108.
 binding/intercalation-bis(10-methyl)acridinium chloride 4927.
 binding-lanthanum/yttrium 6954.
 binding-lysine-rich histones, e.s.r. 7418.
 binding-matrix protein, nuclei, mice 3984.
 binding-3-methylcholanthrene metabolites 2060.
 binding-mitomycin C, guanine specificity 4285.
 binding-netropsin, radiation (u.v.), effects on 6116.

DNA, (continued)

- binding-nonhistone proteins, chromatin, induction-N-acetoxy-2-acetylaminofluorene 4552.
- binding-nonhistone proteins, liver, rats, reassociation kinetics 5001.
- binding-nonhistone proteins, liver, rats, hybridization-mRNA, sequence complexity 7463.
- binding-nonhistone proteins, sequence specificity 4541.
- binding-estradiol receptors complex, rats 2059.
- binding-polycyclic hydrocarbons, characterization 4904.
- binding-polycyclic hydrocarbons, skin, mice, assays 4903.
- binding properties, human serum 7480.
- binding-proteins, mapping, electron microscopy 1299.
- binding-psoralen 3-(α,α -dimethylallyl) derivatives 4890.
- binding-quinomycin C/triostin A/triostin C, sequence specificity 333.
- binding-receptors, *Bacillus subtilis*, inhibition-EDTA 1133.
- binding site, glucocorticoid receptor, liver, rats, pyridoxal phosphate, effects on 654.
- binding sites, DNA-unwinding protein phage T4 642.
- binding sites, *Escherichia coli* ribosomal protein S1, structure/properties 1290.
- binding sites, *Escherichia coli* ribosomal protein S1, specificity/cooperativity 1291.
- binding-terbium, measurement 2038.
- binding-tetracycline-metals complex 4269.
- bisulphite + O-methylhydroxylamine-modified, antibodies use-structure analysis 7406.
- BK virus, cleavage, restriction endonuclease, mapping 383.
- BK virus, nucleotide sequence, homology-SV40 4323.
- BK virus, restriction endonuclease fragments, mapping 3729.
- Bk virus, restriction endonuclease mapping 2074.
- BK virus, splicing regions, nucleotide sequence 7046.
- BK virus/JC virus/SV40, homology 7045.
- bleomycin, effects on, review 4607.
- Bombyx mori*, silk fibroin genes, mapping 399.
- bound proteinase, characterization 3996.
- breakage, hydrodynamics shearing, computer programs, models 7004.
- breakage, induction-ellipticine derivatives, L1210 cells 6995.
- breakage activity, bleomycins, relationship-fluorescence quenching-iron 6092.
- breakage-bleomycin, role-microsomes 3666.
- 7-bromomethylbenz(a)anthracene adducts, excision, normal/DNA repair defective human cells 2714.
- Bursaria truncatella*, characterization 7071.
- C-type virus, integration-Bevi gene, man cell hybrids 2753.
- C-type virus, mice, restriction endonuclease analysis 4326.
- Caenorhabditis elegans*, nucleotide sequence changes during development/evolution 4986.
- calf thymus, binding-acridine/10-methylacridine 967.
- calf thymus, binding-benzo(a)pyrene-7,8-dihydrodiol9,10-oxide, linear dichroism 2575.
- calf thymus, binding-cis-diammineplatinum (II)/trans-diammineplatinum (II), spectroscopy (X-ray) 2565.
- calf thymus, binding-ellipticine, characterization 3081.
- calf thymus, binding-spermine (bis(methidium)) 1576.
- calf thymus, c.d./spectroscopy (u.v.), methylmercury, effects on 6245.
- calf thymus, complex-benzo(a)pyrene derivatives, fluorescence 4897.
- calf thymus, interaction-DNA unwinding protein 2271.
- calf thymus, interaction-poly(lysyl-alanine)/poly(lysyl-D-alanine) 3132.
- calf thymus, interaction-poly(lysyl-glycine)/poly(lysyl-alanine)/poly(lysyl-valine)/poly(lysyl-leucine)/poly(lysyl-phenylalanine) 3133.
- calf thymus, interaction-porphyrins ligands 6244.
- calf thymus, interaction-sterigmatocystin 3680.
- calf thymus, molecular weight/conformation, ultrasonication/radiation (γ), effects on 5003.
- calf thymus, physical properties 2670.
- calf thymus, properties, distamycin binding, effects on 6118.
- calf thymus, radiation (γ)-treated, radioprotection-superoxide dismutase/cysteine/glutathione 3073.
- calf thymus, reaction-benz(a)anthracene derivatives 6974.
- calf thymus/*Clostridium perfringens* /*Escherichia coli* /*Micrococcus luteus*, conformation, c.d. 6198.
- calf thymus/salmon spermatozoa, helix-coil transitions, conformational analysis, n.m.r. 7093.
- Calliphora vicina*, size/nucleotide sequence 2661.
- carnivores, occurrence-*Macaca arctoides* C-type virus related sequence 4257.
- cauliflower mosaic virus, cloning-*Escherichia coli* 3212.
- cauliflower mosaic virus, restriction endonuclease mapping 6196.
- cellular homogenates, assays, fluorescence enhancement 4873.
- cellulose, binding-dexamethasone-receptors complex 2042.
- cellulose, preparation, methodology 3659.
- channel catfish virus, restriction endonuclease mapping 6176.
- chickens, ovalbumin genes, cloning 483.
- chickens, transfer-embryos 1681.
- chickens fibroblasts, avian myelocytomatosis virus tumorigenesis genes nucleotide sequence detection 7098.
- chickens ovomucoid genes, mapping/electron microscopy 3772.
- Chinese hamsters cells, sensitivity-cis-dichlorodiammine platinum II 6956.
- Chlamydomonas* chloroplasts, modification/restriction, role-methylation 4437.
- Chlamydomonas reinhardtii* chloroplasts, restriction endonuclease mapping 3766.
- chloroplast, expression, *Zea mays* plastid, during light-induced development 417.
- chloroplasts, plants, content 3657.
- chloroplasts, plants, fluorescence, use-4'6-diamidino-2-phenylindole probes 3656.
- chloroplasts, *Spinacia*, transcription/translation, *Escherichia coli* cell-free system 4100.
- chloroplasts, *Spinacia oleracea*, association-photosynthesis membrane vesicles 6944.
- chloroplasts/nuclei, plants, melting, structure 6258.
- chloroplasts/nuclei, plants, Triton X-100, effects on 4369.
- chromatids, spermatozoa, mice, isolation/characterization 7447.
- chromatin, digestion-nuclease, intercalation-ethidium bromide, effects on 3879.
- chromatin, liver, mice, degradation 487.
- chromatin, liver, rats, adenine (N^3 -methyl) release, N-methyl-N-nitrosourea, effects on 4551.
- chromatin, methylation-N-methyl-N-nitrosourea, inhibition-spermine/distamycin A 972.
- chromatin, nuclei, calf thymus, benzo(a)pyrene binding/distribution 5200.
- chromatin, nuclei, liver, rats, methylation/degradation 6040.
- chromatin, structure/nuclease sensitivity 5479.
- chromosomes, denaturation/reassociation 5477.
- chromosomes, *Rhizobium trifolii* /*Rhizobium meliloti* /*Rhizobium japonicum*, restriction endonuclease analysis, mutants identificatin 6211.
- circular, *Crithidia acanthocephali* kinetoplasts, restriction endonuclease cleavage sensitivity, heterogeneity 3759.
- circular, Epstein-Barr virus, size, infectious mononucleosis-

DNA, (continued)

- derived human lymphoblastoid cell lines 3732.
circular, in vitro mutagenesis 2602.
circular, isolation-phage f1 replicative form DNA 3661.
circular, plants, chloroplasts, electron microscopy 3136.
circular, plasmids, isolation, methodology 1554.
circular, *Schizosaccharomyces pombe*, characterization 5515.
circular double-stranded, packing, *Escherichia coli* nucleoids, models 4341.
cleavage, neocarzinostatin, nucleotides specificity 343.
cleavage-neocarzinostatin, activation/inactivation 2044.
cleavage-neocarzinostatin, light/oxygen, effects on 341.
cleavage-restriction endonuclease Bsu, use-Y chromosome translocation diagnosis 3239.
cloned, complementary-corticotropin- β lipotropin precursors, cattle, nucleotide sequence 3779.
cloned, complementary-ovalbumin mRNA, transcription-*Xenopus laevis* oocytes 6370.
cloned, complementary-*Xenopus laevis* vitellogenin mRNA, characterization 4361.
cloned, expression-plasmid pKB280 carrying *Escherichia coli* minicells 3871.
cloned, R factor NR1 mutants, analysis 3093.
cloned fragments, *Drosophila melanogaster*, RNA 4S-coding, characterization 2662.
cloned segments, *Drosophila melanogaster* heat shock proteins genes, analysis 6228.
clones, mice, immunoglobulins light chain genes-containing, characterization 1625.
cloning, immunoglobulin genes, mice 2744.
cloning, phage λ recombinants plasmids 1117.
cloning, use-*Bacillus subtilis* hosts 5077.
closed circular, phage PM-2, interaction-hedamycin 6101.
closed circular, quantitation, methodology 6080.
closed circular, Rous sarcoma virus, characterization 3747.
closed circular, SV40, separation, methodology 5451.
closed/nicked, phage PM2, helix-coil transitions 2613.
Clostridium perfringens plasmids characterization 4337.
coding-Epstein-Barr virus RNA, Burkitt's lymphoma, analysis 3733.
coding-RNA fractions, infected Nawalma cells, Epstein-Barr virus genomes 2624.
ColE1, binding-bleomycin 2579.
ColE1, breakage-mutagens/pesticides 4280.
ColE1-types-containing phage λ imm21 hybrids, immunity 6351.
ColIb, restriction endonuclease analysis 7019.
compact particles, formation, salts, effects on 7009.
comparison-K virus/polyoma virus 1013.
complementary, globin, rabbits, purification, use-recombinant plasmids 2027.
complementary, globins, embryos, mice, cloning-plasmid pBR322 7284.
complementary, immunoglobulins heavy chains, mice, cloning/nucleotide sequence analysis 7090.
complementary, nucleotide sequence homology, potato spindle tuber viroid 1481.
complementary, phage MS2, containing plasmid pBR322, construction/characterization 7249.
complementary, phage MS2, containing plasmid pBR322, insertion sequence 1, identification 7250.
complementary, phage MS2, synthesis, primers requirement 4070.
complementary, potato spindle tuber viroid, biosynthesis/characterization, in vitro 1600.
complementary-avian sarcoma virus genomes 5'-terminus, DNA polymerase (RNA-dependent) elongation, Triton X-100, effects on 6436.
complementary base pairs, electrostatic potentials 372.
complementary base-pairs, hydration 367.
complementary-cadang-cadang disease virus-associated RNA, biosynthesis/characterization 6195.
complementary-chickens preproalbumin, cloning 1556.
complementary-crystallin, embryos, chickens, cloning/characterization 7281.
complementary-Friend leukaemia virus genomes, characterization 6181.
complementary- β -globin, rabbits, insertion-SV40, transcription-kidney cells, monkeys 3869.
complementary-immunoglobulins light chain mRNA, characterization 1051.
complementary-leghaemoglobin, preparation/leghaemoglobin genes localization, *Glycine max* 2169.
complementary-oestrogen-induced mRNA, liver, chickens, cloning 7280.
complementary probes, chrysanthemum stunt viroid, synthesis/characterization 1019.
complementary-procollagen, embryos, chickens, clones, construction/characterization 6371.
complementary-prolactin, pituitary tumour cells, rats, isolation/characterization 5525.
complementary-prolactin mRNA, GH cells, use-regulation probes 6925.
complementary-protamine, synthesis/characterization 5519.
complementary-rabbits β -globin, point mutations, cloned plasmids 2089.
complementary-mRNA, electron microscopy 3777.
complementary-rRNA 5S, liver, rats, synthesis 7094.
complementary-*Salmo gairdnerii* protamine mRNA, cloning 7279.
complementary-turnip yellow mosaic virus RNA, characterization 1601.
complex-actinomycin D, spectroscopy (Raman) 2066.
complex-caffeine, deuterium n.m.r. 2039.
complex-daunorubicin, antitumour activity, Ehrlich ascites tumour, mice 7231.
complex-daunorubicin, sensitivity-normal/leukaemia (acute nonlymphatic) cells 7233.
complex-daunorubicin, uptake/fate, embryo fibroblasts, rats 7228.
complex-daunorubicin, use-human leukaemia (acute nonlymphoblastic) treatment 7235.
complex-daunorubicin, use-leukaemia (acute nonlymphatic) treatment 7232.
complex-daunorubicin/daunorubicinol, pharmacokinetics, rabbits 3198.
complex-daunorubicin/doxorubicin, affinity constants determination 7222.
complex-daunorubicin/doxorubicin, toxicity/pharmacology, mice, comparison 7227.
complex-daunorubicin/doxorubicin, uptake, human leukaemia cells 7229.
complex-daunorubicin/doxorubicin, use-chemotherapy, review 6552.
complex-daunorubicin/doxorubicin, use-leukaemia (acute)/bronchogenic carcinoma treatment 7234.
complex-doxorubicin, effects on malignant diseases, children 7230.
complex-dyes, c.d. 3668.
complex-ethidium bromide, treatment-*Trypanosoma cruzi* -infected mice strains 6968.
complex-ethidium bromide/actinomycin D/9-aminoacridine/proflavine, structure 3077.

DNA,(continued)

- complex-gene 5 DNA-binding protein, n.m.r. 2230.
 complex-histone H1, aggregation, ionic strength, effects on 4539.
 complex-histone H1/histone H2A/histone H4, structure, comparison, spectroscopy (i.r.) 7419.
 complex-histone H3 + histone H4, formation-nucleosomes-like structure 2838.
 complex-histones, digestion, nucleosomes cores formation, characterization 4547.
 complex histones, physical properties, erythrocytes, chickens 602.
 complex-histones models, synthesis/characterization 4538.
 complex irehdiamine A, conformation 337.
 complex-metals, dielectric dispersion 980.
 complex-metals, spectroscopy (u.v.) 6955.
 complex-netropsin, c.d. 2571.
 complex-netropsin/distamycin, spectroscopy (Raman) 2570.
 complex-nonhistone proteins, mice, characterization, centrifugation 3957.
 complex-platinum (II), structure 2587.
 complex-poly (lysyl-aminoacyl-alanyl), c.d. 1559.
 complex-poly(lysine) copolymers, chromatin models, heat denaturation, ethylene glycol effects on 6480.
 complex-proteins, adenovirus (human) 2-infected KB cells 3988.
 complex-quinacrine mustard, bacteria, fluorescence 4273.
 complex-tyrocidine, characterization, dissociation-gramicidin D 1560.
 conalbumin genes, chickens, mapping 6235.
 concatemeric, formation, phage T1 DNA replication 1591.
 condensation, chloroplasts, *Chlamydomonas reinhardtii* zygotes 3765.
 condensation, phage T7, cations, effects on 6168.
 condensation, theories 6135.
 condensed from ethanol solutions, c.d./X-ray crystallography 4925.
 conformation, alcohols-water solvents 3690.
 conformation, carcinogens, effects on, review 4577.
 conformation, chromatin/histones/nonhistone proteins complex, spectroscopy (i.r.) 4917.
 conformation, chromatin/nucleosomes subunits 4543.
 conformation, interaction N-hydroxy-2-aminofluorene, effects on 4300.
 conformation, models 6134.
 conformation, models, dinucleoside phosphates complementary complex 1583.
 conformation, nucleosomes, erythrocytes, chickens, c.d. 1049.
 conformation, nucleosomes cores particles, n.m.r. 5217.
 conformation, phage ϕ X174, effects on free radicals induction-proflavine 6112.
 conformation, solutions 2589.
 conformation, tetramethylammonium, effects on 3696.
 conformation kinetics 4288.
 conformational analysis 5475.
 conformations, DNA-binding protein/DNA-unwinding protein, effects on, review 6545.
 conformations stability, salts, effects on 7001.
 conjugation-benz(a)pyrene metabolites, microsomes, UDP-glucuronic acid, effects on 5461.
 containing, particles, human carcinoma cell lines, characterization 4263.
 content, *Acanthamoeba castellanii* / *Acanthamoeba polyphaga* / *Acanthamoeba rhysodes* / *Acanthamoeba culbertsoni* / *Acanthamoeba royceae* 2552.
 content, *Aedes aegypti* spermatozoa 320.
 content, *Amoeba proteus*, during interphase 4259.
 content, *Anabaena cylindrica*, nucleotide peptide, effects on 2128.
 content, *Balanoglossus claviger* chromosomes 2863.
 content, *Bombyx mori* development 2130.
 content, *Bombyx mori* silk gland 321.
 content, *Bombyx mori* spermatocytes 2019.
 content, brain/testis/ovary, rats, age, effects on 1549.
 content, calvaria, rats, vitamin D3, effects on 4261.
 content, *Chlamydomonas reinhardtii* / *Pandorina morum* / *Volvox carteri*, during growth/cell division 7195.
 content, *Columba livia*, radiation(γ), effects on 2114.
 content, cornea, assays 6942.
 content, distribution, tumour cells, kinetics, model 6934.
 content, *Drosophila* polytene chromosomes, temperature, effects on 5231.
 content, EMT6 cells, during cell cycle 2733.
 content, epidermis cells, mice, cantharidin, effects on 7200.
 content, *Euglena gracilis*, environmental factors, effects on 6937.
 content, fossils, *Amphibia* / *Pisces* 1546.
 content, *Fraxinus americanus* cells 1552.
 content, *Funaria hygrometrica* 445.
 content, granuloma, lung, rabbits 2023.
 content, heart cells, mice 3652.
 content, homologous chromosomes 3979.
 content, human brain, age, effects on 7207.
 content, human buccal smears 3056.
 content, human myelocytes, relationship-size 1639.
 content, human spermatozoa 1551.
 content, integuments/abdominal muscle/digestive gland, *Crangon crangon* 2556.
 content, *Ipomoea batatas* roots, *Rhizopus stolonifer* infection, effects on 4435.
 content, *Lilium candidum*, during development 604.
 content, liver cells, rats, effects on RNA biosynthesis 265.
 content, liver/kidney, mice, starvation, effects on 7201.
 content, *Nicotiana* mesophyll protoplasts, N-methyl-N-nitrosourea, effects on 2123.
 content, normal/leucosis, rats, copper sulphate, effects on 450.
 content, nuclei, male gametophytes, *Datura innoxia* 5447.
 content, *Olithodiscus luteus* chloroplasts, plastids variation, effects on 5444.
 content, *Orytolagus cuniculus* chromosomes 6519.
 content, *Paramecium tetraurelia* macronuclei, regulation 5015.
 content, *Periplaneta americana*, actinomycin D/dimethoate, effects on 5041.
 content, *Petunia hybrida*, during development 324.
 content, *Phaseolus vulgaris* leaves, adenine (benzyl), effects on 841.
 content, *Phractolaemus ansorgei* 4871.
 content, placenta/liver, rats, dipyrone, effects on 4424.
 content, prosencephalon, rats, hypoxia, effects on 455.
 content, *Rana* 2020.
 content, regulation/life cycles variation, *Tetrahymena thermophila* 2553.
 content, *Rhizobium* 6088.
 content, *Rhodnius prolixus* / *Triatoma infestans* nuclei 2558.
 content, RNA biosynthesis/protein biosynthesis dependence, *Bacillus subtilis* spores 4213.
 content, *Saccharomyces cerevisiae*, autolysis, effects on 4260.
 content, *Sclerotinia sclerotiorum*, during growth, phosphorus, effe332 7194.
 content, *Solanum tuberosum* tubers, development 2171.

DNA,(continued)

- content, spermatozoa, cattle 1550.
 content, *Streptovorticillum mycohepticum* spores during germination 3829.
 content, testis, rats, age, effects on 839.
 content, *Tetrahymena pyriformis* /*Tetrahymena thermophila* macronuclei/micronuclei 4869.
 content, *Tetrahymena thermophila* macronuclei, regulation 5016.
 content, vagina/cervix squamous cells, diethylstilboestrol-treated human 322.
 content, ventricle, rats 2021.
 content, *Zea mays* /*Triticum* anthers, ethrel-induced sterility, effects on 3844.
 content variation, nuclei, plants organs 4875.
 copies, effects on Moloney leukaemia virus infection, mice cells 2740.
 cotranscripts, viruses + hosts, occurrence-adenovirus (human) 5 infected KB cells 892.
 covalent binding-benzo(a)pyrene diol epoxides, fluorescence 4896.
Crithidia fasciculata kinetoplasts, characterization 6213.
Crithidia lucillae kinetoplasts, RNA transcription 2649.
 cross-linking, induction-fluorescent light, mice cells 349.
 cross-linking-cis-diamminedichloroplatinum(II)/trans-diamminedichloroplatinum(II), mice leukaemia L1210 cells, kinetics 1571.
 cross-linking-histones, radiation (u.v.)-induced, nuclei, calf thymus, histones isolation 2240.
 cross-linking-proteins, mammalian cells, induction-carcinogens 6107.
 cross-linking-proteins, phase T7, radiation (u.v.) + hydrogen peroxide-induced 7466.
 cross-linking-proteins, platinum(II) diamminedichloride, leukaemia cells, mice 6985.
 cross-links, human skin, electron microscopy 3786.
Cuscuta reflexa infected Medicago, cytosine (5-methyl) content 6259.
 cutting-endonuclease, *Schizopphyllum*, during meiosis 7302.
 cyanobacteria plasmids, characterization 3701.
 cytochrome c genes, yeasts, transcription regulation 6865.
 cytomegalovirus, characterization 1594.
 cytomegalovirus, replication/persistence, lymphoblastoid cell lines 7110.
 cytosine (5-methyl) content, during liver carcinogenesis 6255.
 cytosine (5-methyl) content, during ontogeny, rats, hydrocortisone, effects on 3144.
 cytosine containing, phase T4, restriction endonuclease mapping 6164.
 cytosine-containing, phase T4, restriction endonuclease mapping 6167.
 cytosine/cytosine (5-methyl) ratio, quantitation, methodology 5729.
 cytosine-substituted, phase T4, restriction endonuclease analysis 5497.
 cytosine-substituted, phase T4, use-restriction endonuclease assays 7293.
 damage, carcinogens-induced, liver, mice, evaluation 6970.
 damage, Chinese hamsters cells, induction-nitrosoureas 3068.
 damage, detection, use-uridine (5-hydroxymethyldeoxy) assays 1350.
 damage, HeLa cells, radiation (u.v.)-induced 5469.
 damage, human cells, induction-benzo(a)pyrene 2051.
 damage, human lymphoblastic cells, adriamycin derivatives, effects on 6963.
 damage, induction-4'-(9-acridinylamino)-N-methanesulphonyl-m-anisi, leukaemia L1210 cells 355.
 damage, induction-tallysomyacin, mechanisms 5454.
 damage, mice, induction-1,2-dimethylhydrazine 3674.
 damage, phototherapy intermittent 351.
 damage, quantitation, use-sister chromatid exchange 7452.
 damage, radiation-induced, Chinese hamsters cells 6298.
 damage agents, lethal interaction-radiation (u.v.), *Escherichia coli*, modification 5546.
 damage-azaserine/neutral red/(N-methyl-N-nitroso-carbamyl)-L-ornithine, pancreas, rats 4902.
 damage-cigarette smoke condensates, human lymphocytes 7002.
 damage-macromycin, Novikoff hepatoma ascites cells 6102.
 damage-muagens, granuloma, rats 6987.
 damage-neocarzinostatin, mechanisms 3079.
 damage-nitrofurantoin, human fibroblasts 354.
 damage/recovery, carboquone treatment, AH-109A cells 356.
 damaged, guanine (7-methyl) release-*Escherichia coli* uracil-DNA glycosidase 7399.
 damaged, human fibroblasts, endonuclease cleavage 1162.
Daucus carota, reassociation kinetics, gibberellic acid, effects on 2675.
 defective, herpes simplex virus 1, origin 4327.
 defective, herpes simplex virus 1, serial passage, characterization 3736.
 defective, rescue-herpes simplex virus 1 temperature-sensitive mutant 1687.
 defective herpes simplex virus 1, electron microscopy 384, 1595.
 defective human cytomegalovirus, molecular weight 6177.
 defects, haemoglobin Lepore 4795.
 degradation, *Bacillus stearothermophilus* 2679.
 degradation, *Escherichia coli*, inhibition-radiation (γ) + sodium chloride 2706.
 degradation, *Escherichia coli* minicells, endonuclease deficient mutant 5119.
 degradation, nuclei/chromatin, liver, rats, radioprotective agents, effects on 4403.
 degradation, radiation (u.v.)-induced, *Escherichia coli*, exonuclease activity 6377.
 degradation, *Staphylococcus aureus* rec mutants 3684.
 degradation-deoxyribonuclease I, kinetics 4481.
 degradation enzymes, distribution, cattle snouts epidermis 1701.
 deletion, foetal globin genes expression, man, characterization 6373.
 denaturation-acetic acid, use-in situ hybridization 360.
 denaturation-radiation (u.v.), role-cyclobutane dimers 974.
 denatured, modification-dibromoethylacetate 4913.
 dense double-stranded, uridine (5-bromodeoxy)-induced, CHO cells, characterization/association-sister chromatid exchange 1631.
 densonucleosis virus, molecular weight determination 3730.
 deoxyribonuclease I sensitive/resistant regions, brain, rats, N-methyl-N-nitrosourea treatment, alkylation products removal 7297.
 deoxyribonuclease I-treated, chromatin, liver, rats, methylation-dimethylnitrosamine 4276.
 deoxyribonuclease single-stranded/double-stranded breakage, measurement, methodology 2170.
 deoxyribonucleoproteins, degradation-deoxyribonuclease II, polypentose sulphate, effects on 6376.
 detection, methodology 4255.
 detection-electron microscopy, methodology, review 5250.
 detection-methylated cytosine, use-restriction endonuclease MspI 4924.
 determination, use-ethidium dimers 6082.
 determination structure, use-immunochemistry 2592.

DNA,(continued)

- Dicrostonyx torquatus chionopaes*, characterization 3131.
 dietary, mice, pyrimidines/purines metabolism 2725.
 diethylnitrosamine treated liver, rats, thymidine (O²-ethyl)
 formation 5466.
 dimeric subunits, solvents accessibility 852.
 dimethylnitrosamine-induced damage, liver, rats 6296.
 dimethylnitrosamine-treated rats, guanine (7-methyl)
 distribution 1052.
 dissociation-proteins, models/chromatin 648.
 distribution, determination, methodology 2015.
 distribution, hamsters cheek pouch epithelium, circadian
 rhythms 1547.
 distribution, *Heteropneustes fossilis* muscles 4870.
 distribution, human cervical carcinoma 5446.
 distribution-*Drosophila melanogaster* 948.
 DNA 5S, transcription-*Xenopus* oocytes 4813.
 DNA 5S, *Xenopus borealis* oocytes, nucleotide sequence
 3127.
 donors, size, effects on *Streptococcus pneumoniae*
 transformation 5107.
 donors-recipients complex, transformed *Bacillus subtilis*
 2762.
 double helix, guanosine (deoxy)-carcinogens adducts, models
 3063.
 double helix, mechanical properties 6138.
 double helix structure, theories 5472.
 double-stranded, antibodies, assays, human hepatitis (chronic
 active)/cirrhosis 2829.
 double-stranded, antibodies, assays, methodology 4529.
 double-stranded, antibodies, detection, methodology 579,
 3285, 6461.
 double-stranded, antibodies, human systemic lupus
 erythematosus, detection, methodology 5651.
 double-stranded, antibodies, radioimmunoassay 7409.
 double-stranded, antibodies levels, systemic lupus
 erythematosus 6458.
 double-stranded, binding-netropsin, nucleotide sequence,
 effects on 6122.
 double-stranded, chromosomes, HeLa cells, covalent linkage-
 chromatin RNA 6512.
 double-stranded, complementary-conalbumin, chickens,
 cloning 5608.
 double-stranded, complex-ethidium bromide, fluorescence
 decay 3693.
 double-stranded, encephalomyocarditis virus, circular-linear
 conversion 4951.
 double-stranded, flexibility/molecular weight,
 photooxidation, effects on 3089.
 double-stranded, formation-*Escherichia coli* DNA-
 unwinding protein 643.
 double-stranded, β -globin/ γ -globin genes, sheep, synthesis/
 cloning/characterization 7288.
 double-stranded, mercury electrodes adsorption, structure,
 effects on 6133.
 double-stranded, phage λ , uptake-*Nicotiana* protoplasts
 5581.
 double-stranded, phages, heads morphogenesis, review 2291.
 double-stranded, radiation (u.v.)-treated plasmids/phages,
 transformation-*Escherichia coli* 7242.
 double-stranded, selective staining-4',6-diamidine-2-
 phenylindole 6967.
 double-stranded, serum binding, human diseases 6463.
 double-stranded, structure, models 4922.
 double-stranded, SV40, interaction-calf thymus/wheat germ
 RNA polymerase II, comparison 7353.
 double-stranded, *Zea mays* endosperm, integration-plasmid
 pBR322, zein clones isolation/characterization 6375.
 double-stranded breakage, rejoining 432.
 double-stranded fragments, phage ϕ X174/phage fd, stability
 mapping 2071.
 double-stranded intermediates, oncornavirus (avian), analysis
 2629.
 double-stranded/single-stranded, anticomplementary effects
 581.
 doxorubicin complex, pharmacokinetics, cancer, children
 3199.
Drosophila melanogaster, heat shock gene sequences,
 cloning 482.
Drosophila melanogaster, repeated genes, heat shock locus
 400.
Drosophila melanogaster, RNA polymerase II initiation
 sites, quantitation 7350.
 duplex, thermal stability 407.
 dynamics, ionic strength, effects on, quasielastic light
 scattering 4287.
 E-strand, polyoma virus, transcription during infection 2497.
 early fragments, SV40, mapping 2635.
 effects on autoantibodies production, radiation-treated mice
 3287.
 effects on chromosome aberrations, radiation (γ), rats 3331.
 effects on phage T4 DNA-binding protein structure 1286.
 Ehrlich ascites tumour cells, bleomycin, effects on 6965.
 Ehrlich ascites tumour cells, isolation-replication branching
 sites 4883.
 Ehrlich ascites tumour cells, strands breakage-
 aminoquinones 362.
 electrochemical insolubilization, metals, effects on 5473.
 electron microscopy, book 655.
 electron microscopy, persistence length determination 6136.
 electron microscopy, use-phosphotungstic acid 1542.
 electrophoresis gels elution, methodology, use-mRNA
 analysis, *Zea mays* endosperm 6767.
 ellipticine/daunorubicin complex, cytotoxicity, leukaemia
 cells 5585.
 embryo cells, mice, binding-17 β -oestradiol 6962.
 embryos, chickens, purification/identification-cytosine (5-
 methyl)/uracil 1048.
 enzymatic removal-guanine (O⁶methyl), mammals cells
 extracts 2122.
 epidermis, guinea-pigs, photochemical cross-linking-psoralen
 derivatives, electron microscopy 7088.
 epidermis, mice, binding-benzo(a)pyrene, dose dependency
 6975.
 Epstein-Barr virus, detection, use-hybridization 317, 1543.
 Epstein-Barr virus, restriction endonuclease fragments,
 nucleotide sequence/mapping 1005.
 Epstein-Barr virus, sequence variability 6179.
 Epstein-Barr virus, tandem repeated sequence, mapping 7048.
 Epstein-Barr virus, termini structure 7049.
 Epstein-Barr virus, transformed cells, nucleosomes structure
 3731.
 erythrocytes, chickens, pyrimidine oligonucleotides isolation
 3419.
 erythrocytes, ducks, modification-benzo(a)pyrene diol
 epoxide, effects on chromatin structure/reconstitution 4894.
Escherichia coli, arabinose operon, nucleotide sequence
 1025.
Escherichia coli, base composition, uracil (5-bromo), effects
 on 5268.
Escherichia coli, binding-membranes, role-DNA replication
 initiation 3827.
Escherichia coli, binding-oligo (A) derivatives 6961.
Escherichia coli, binding-wild type/mutants lactose

DNA,(continued)

- repressor 5681.
- Escherichia coli*, complex-membranes, composition/DNA biosynthesis products characterization 5569.
- Escherichia coli*, cross-linking-light + trimethylpsoralen, induction/detection/DNA repair 6289.
- Escherichia coli*, degradation, induction-ozone 7296.
- Escherichia coli*, degradation, recA gene products, effects on 5610.
- Escherichia coli*, hydroxyapatite chromatography, silver/mercury, effects on 328.
- Escherichia coli*, lysis, restriction endonuclease cleavage 3113.
- Escherichia coli*, quantitation, methodology, use-methyl green 6081.
- Escherichia coli*, radiation (γ), thymine-containing products, characterization 6114.
- Escherichia coli*, radiation (u.v.), effects on 3151.
- Escherichia coli*, segregation-F lac factor 1557.
- Escherichia coli*, strands breakage, induction-drying 4971.
- Escherichia coli* arabinose operon araBAD promoter, nucleotide sequence 1026.
- Escherichia coli* argF gene, isolation/cloning/characterization 6204.
- Escherichia coli*/chickens erythrocytes, melting temperature, radiation (u.v.) + nitrosamines, effects on 6992.
- Escherichia coli* chromosomes, insertion-R factor RP4 4445.
- Escherichia coli* chromosomes/plasmids, sensitivity-restriction endonuclease 1145.
- Escherichia coli* F factors, restriction endonuclease mapping 1607.
- Escherichia coli* F factors tra gene, mapping 4304.
- Escherichia coli* mutants, association-cell membranes 7225.
- Escherichia coli* plasmid AP1, electron microscopy 5483.
- Escherichia coli* plasmid ColE1, isolation/physical properties 984.
- Escherichia coli* R factors, use-genes transformation 2748.
- Escherichia coli* tRNA Trp genes containing, structure 4966.
- Escherichia coli*/ *Salmonella typhimurium*, release, phagocytosis bactericidal activity determination 3197.
- ethylnitrosourea damaged, guanosine (O⁶-ethyldeoxy), radioimmunoassay 4035.
- Euglena gracilis*, chloroplasts, base composition heterogeneity 4358.
- Euglena gracilis*, nucleotide sequence organization 7080.
- Euglena gracilis* chloroplasts, coding-tRNA, cytoplasm polyribosomes 2167.
- Euglena gracilis* chloroplasts, mapping-rRNA gene regions 1616.
- Euglena gracilis* chloroplasts, mapping-rRNA 16S complementary sequence 6224.
- Euglena gracilis* chloroplasts, transcription regions, mapping 1035.
- eukaryotes, genes isolation 2562.
- eukaryotes, genomes organization, replication, review 1314.
- exchange, lymphocytes-fibroblasts, cell culture 5586.
- excretion, human tonsil lymphocytes 472.
- exogenous, effects on ageing, human fibroblasts, in vitro 3847.
- exogenous, effects on radiation (X) treated Chinese hamsters cells survival 5584.
- exogenous, effects on thymocytes, rats 5587.
- exogenous, uptake-L cells, stimulation- α -globulin 4438.
- extraction, use-agarose gels 2026.
- F' factors, *Escherichia coli*, restriction endonuclease EcoRI fragments, self-replication 7239.
- feline syncytium-forming virus proviruses, size/structure 7050.
- films, dehydration/denaturation, temperature effects 1580.
- Flavobacterium odoratum*, heterogeneity 1608.
- α -foetoprotein genes, insertion-plasmid pBR322, clones identification 6342.
- fold-back sequence, localization, chromosomes/nuclei, *Scilla sibirica*/ *Secale cereale*/mice 1280.
- foldback, transposition, review 657.
- folded, *Spinacia* chloroplast, electron microscopy 2094.
- folding, nucleosomes, models 3698.
- folding-arginine-rich histones 593.
- folding-N-terminus-lacking histones, HeLa cells 597.
- formation-benzo(a)pyrene diol epoxide adducts, microsomes catalysis, liver, rats, ethoxyquin feeding, effects on 5462.
- formation-psoralen monoadducts, irradiation 2061.
- γ -fraction, *Saccharomyces cerevisiae*, segregation, meiosis 319.
- fractionation, chromatography (hydroxylapatite thermal) 630.
- fragmentation, mammalian cells, replication unit size 4366.
- fragments, accumulation, HeLa cells, dUMP incorporation 728.
- fragments, adenovirus (bovine) 3, transformation-BALB/3T3 cells 1126.
- fragments, adenovirus (human) 12, transformation-rats cells 5595.
- fragments, agarose gel, transfer-diazobenzyloxymethyl-paper/hybridization-dextran sulphate 6945.
- fragments, chromosomes, *Saccharomyces cerevisiae*, isolation/characterization, use-leu2 gene containing plasmids 6951.
- fragments, cloning, use-yeasts vectors 4465.
- fragments, complementary-adrenocorticotropin/ β -lipotropin mRNA, mice, cloning/sequence analysis 5523.
- fragments, complementary-human α -globin/ β -globin/ γ -globin/nucleotide sequence, DNA recombinant plasmids, isolation/nucleotide sequence 2560.
- fragments, detection, methodology 5439.
- fragments, eukaryotes, role-plasmids genes promoters 3850.
- fragments, HeLa cells, mitochondria, replication origin-containing, nucleotide sequence 3788.
- fragments, hepatitis B virus, cloning-plasmid pBR322, expression-*Escherichia coli* 5597.
- fragments, herpes simplex virus 1, cloning-phage λ vectors 5092.
- fragments, hybridization-polynucleotide ligase, kinetics 7396.
- fragments, immunoglobulins light chains genes, nucleotide sequence 7089.
- fragments, isolation, methodology 2024.
- fragments, Moloney sarcoma virus, induction-transformation, fibroblasts, mice 3210.
- fragments, ovalbumin genes regions, chickens, isolation/mapping 4939.
- fragments, phage Mu, containing, plasmids, characterization 4440.
- fragments, phage P1, cloning-phage λ vectors, characterization 7036.
- fragments, phage 434, nucleotide sequence 1585.
- fragments, R factor R1 d19 replication origin, nucleotide sequence 5490.
- fragments, SV40 chromosomes, analysis 3751.
- furanose rings, conformation flexibility 369.
- Galleria mellonella* nuclear polyhedrosis virus, size 4956.
- Galleria mellonella* polyhedrosis virus, structure, electron microscopy 5500.
- Galliformes*, distribution-chickens endogenous oncornavirus sequence 7087.
- gene 1, phage T7, nucleotide sequence 7040.

DNA, (continued)

- genes, mice, introns detection 7283.
 genes, β -lactamase, *Escherichia coli*, repeated segments, isolation/characterization 7064.
 genes, lipoproteins, *Escherichia coli*, restriction endonuclease mapping 7061.
 genes quantitation, errors 4292.
 genome, mice, organization 4999.
 genomes, chickens, organization-histones genes 4993.
 genomes, chickens, restriction endonuclease mapping, detection-endogenous proviruses sequence 6234.
 genomes, *Chlamydomonas reinhardtii* chloroplasts, inverted repeat sequence 7078.
 genomes, Epstein-Barr virus, integration-Burkitt lymphoma cells 7262.
 genomes, feline sarcoma virus strains, nucleotide sequence homology 6180.
 genomes, human spermatozoa, characterization 3787.
 genomes, *Lupinus augustifolius*, sequence folding, isolation/characterization 7102.
 genomes, *Methanobacterium thermoautotrophicum*, organization 7069.
 genomes, *Neurospora crassa*, nucleotide sequence complexity/organization 7073.
 genomes, nucleotide sequence organization, liver, *Gallus domesticus* 4994.
 genomes, phage P1/phage P7, restriction endonuclease analysis, comparison 7037.
 genomes, *Phaseolus aureus* / *Phaseolus vulgaris* / *Brassica oleracea* / *Brassica nigra*, comparison 7103.
 genomes, *Pisaster ochraceus*, sequence organization 5518.
 genomes, *Schizophyllum commune*, characterization 7077.
 genomes, Shope papilloma virus, detection-benign/malignant tumours, rabbits 6360.
 genomes, SV40/SA12 virus/stump-tailed macaque virus, sequence homology 5503.
 genomes/chromatin, African green monkeys, repeated sequence, organization 7096.
 β -globin genes, β -thalassaemia, restriction endonuclease mapping 6248.
 globin-specific, chromatin, distribution 615.
Glycine max genomes, sequence organization 4370.
Haemophilus influenzae, cloned, uptake-*Escherichia coli* 6366.
Haemophilus influenzae plasmid pLU121/plasmid pFR16017, characterization/transfer 3096.
Halobacterium halobium plasmids, characterization 7020.
 hamsters embryo cells, uridine (5-bromodeoxy) + radiation (u.v.), induction-neoplastic transformation 960.
 heat denaturation, analysis 2596.
 heat denatured, density-sodium iodide gradients, temperature/ethidium bromide, effects on 4346.
 HeLa cells, damage-DNA 2043.
 HeLa cells, methylation patterns 3135.
 HeLa cells, neocarcinostatin-induced damage/DNA repair 7174.
 HeLa cells, radiation (u.v.), pyrimidine dimers excision 2717.
 HeLa cells/RFL cells chromatin/phage λ , double-stranded breakage-adrenalone aromatic reductones 358.
Heliothis nuclear polyhedrosis virus, characterization 2075.
Heliothis zea nuclear polyhedrosis virus, characterization 4332.
 helix, dimensions/distribution function 5480.
 helix, superhelix formation 5481.
 helix parameters, X-ray diffraction 6123.
 hepatitis B virus, cloning-*Escherichia coli*, restriction endonuclease mapping 5498, 6182.
 hepatitis B virus, detection-liver tumours, human 1544.
 hepatitis B virus, genomes, cloning, *Escherichia coli* 3862.
 herpes simplex virus, accumulation-nuclei 947.
 herpes simplex virus, arrangement, infected cells 3738.
 herpes simplex virus, characterization, review 4597.
 herpes simplex virus, detection-infected trigeminal ganglion, mice 1061.
 herpes simplex virus, drug resistance, phosphonoacetic acid, loci, mapping 3735.
 herpes simplex virus, expression-transformed cells, review 659.
 herpes simplex virus, infected cells, cleavage-nuclease, structure probes 5499.
 herpes simplex virus, mapping 3734.
 herpes simplex virus, occurrence-bound proteins 7471.
 herpes simplex virus 1, bound proteins, mapping, electron microscopy 7472.
 herpes simplex virus 1, *Escherichia coli* / calf thymus RNA polymerase transcripts, size/sequence analysis 4166.
 herpes simplex virus 1, photoinactivation-psoralen derivatives 345.
 herpes simplex virus 1, repetitive sequences, diploidy 385.
 herpes simplex virus 1, restriction endonuclease analysis, herpes simplex virus 1 1596.
 herpes simplex virus 1, transfection-human lymphoblastoid cell lines 4453.
 herpes simplex virus 1, transformed cells, hamsters, efficiency of plating, enhancement 5073.
 herpes simplex virus 1 x herpes simplex virus 2 recombinants, mapping 1007.
 herpes simplex virus 2, transformation-embryo cells, hamsters 5091.
 herpesvirus, activation-C-type virus, BALB/c cells 1114.
 herpesvirus (equine) 1, transformation/transfection activity 5583.
 herpesvirus, intramolecular recombination, models 4329.
 herpesvirus, *Tupaia belangeri* lymphosarcoma, restriction endonuclease EcoRI analysis 6183.
 herpesvirus (turkey), homology-Marek's disease virus 4328.
 Herpesvirus papio, lymphoblastoid cell lines, baboons, characterization 7051.
Herpesvirus saimiri, methylation-lymphoid tumour cell lines 7112.
Herpesvirus saimiri/Herpesvirus atele, induction-tumours, *Saguinus* 1679.
 herring sperm, fragments, isolation 330.
 heteroduplex formation, nicking-free pathway 7018.
 high molecular weight, containing, metaphase chromosomes, CHO cells, isolation 5230.
 high molecular weight, dielectric properties, determination 2590.
 high molecular weight complementary reverse transcription products, Moloney leukaemia virus 6274.
 histidine operon, *Salmonella typhimurium*, cloning-phage M13 7276.
 histones complex, transcription-*Saccharomyces cerevisiae* RNA polymerase II 1728.
 homologous, uptake, nuclei, *Matthiola incana* seedlings 6341.
 homology, *Aeromonas* 5507.
 homology, *Agrobacterium* Ti plasmid 3094.
 homology, *Arthrobacter* / *Brevibacterium* 4962.
 homology, *Bacillus*, electrophoresis 3109.
 homology, *Bacillus anthracis* / *Bacillus cereus* / *Bacillus thuringiensis* 4336.
 homology, *Caulobacter* / *Asticcacaulis* / *Prostheco bacter* 2076.

DNA,(continued)

- homology, chickens/ducks/quails/ostriches 1623.
 homology, *Clostridium thermohydrosulfuricum* /*Clostridium tartarivorum* /*Clostridium thermosaccharolyticum* 2640.
 homology, *Drosophila melanogaster* /*Drosophila virilis* chromosomes 2088.
 homology, *Mycobacterium* 1030.
 homology, octopine/nopaline Ti plasmid, *Agrobacterium tumefaciens* 4309.
 homology, *Staphylococcus aureus* /*Staphylococcus intermedius* 1033.
 homology, *Streptococcus mitior* 2645.
 homology, *Synechococcus cedrorum* /*Anacystis nidulans* plasmids 3700.
 homology, umbelliferae 5535.
 hosts, integration-tick-borne encephalitis virus genomes 2761.
 hosts cells, degradation, herpes simplex virus infection/replication 2147.
 hosts cells, Rauscher leukaemia virus proteins binding specificity 7474.
 human, cloned, β -globin/ α -globin genes, isolation/characterization 2563.
 human, cross-linking, induction-acetaldehyde 3082.
 human, damage-N-acetoxy-2-acetylaminofluorene/7,12-dimethylbenz(a)anthracene, carcinogenesis 957.
 human, fractionation 331.
 human, α -globin genes organization, restriction endonuclease mapping 2671.
 human, rRNA gene isolation 2028.
 human fibroblasts cell lines, pyrimidine (O-ethyl) removal rates 6302.
 human insulin, oligonucleotides fragments, synthesis/purification-chromatography (reversed-phase) 4059.
 human leukaemia (acute) cells, reassociation kinetics 5007.
 human leukaemia cells, homology-RNA, Moloney leukaemia virus 7100.
 human lymphoblastoid cell lines, occurrence-initiator RNA 5932.
 human lymphocytes, aplastic anaemia, characterization 411.
 human lymphocytes, chemicals-induced damage, sister chromatid exchange 7448.
 human lymphocytes, incorporation-cytidine (deoxy) 3405.
 human peripheral blood cells, content during leukaemia (acute) treatment, analysis 4874.
 human plasma, concentration/size distribution 6250.
 human tumours, adenovirus (human) 4 sequence analysis 5005.
 hybrid, occurrence-Bloom's syndrome fibroblasts 2022.
 hybridization-RNA, genomes characterization, C-type virus, mice 4325.
 hybrids, purification, methodology 834.
 hydrates, stability, temperature effects 2595.
 hydrogen bonds, ethylnitrosourea reactivity 6109.
 hypochromism, relationship-nucleotides content 6121.
 immobilized, interaction-poly (lysine) 6096.
 immobilized, use-mRNA polyoma virus purification 4151.
 immune complexes, formation, radiation (u.v.), effects on, mice 3934.
 Ina-flacherie virus, characterization 1009.
 inactivation-radiation (γ), oxygen, effects on 3074.
 incorporation-uridine (5-bromodeoxy), *Nicotiana tabacum* resistant cell lines 2340.
 induction-histamine release, human leucocytes (basophilic), rheumatoid arthritis/systemic lupus erythematosus 929.
 induction-mitomycin C, SV40 transformed cells, mice 1131.
 infected embryo cells, chickens, avian sarcoma virus/avian leukosis virus genomes integration sites 5607.
 inhibition-microtubules formation, brain, pigs 1558.
 injection-*Drosophila* embryos, effects on-eye colour 6339.
 insertion-*Escherichia coli* ColE1, effects on colicin immunity 3202.
 insertion mutagenesis, *Pseudomonas aeruginosa* R factor R91-5 5086.
 insertion-phage λ deletion mutant, transposition 5088.
 insertion sequence 1/chloramphenicol antibiotic resistance-containing phage Mu, electron microscopy 1586.
 insertion sequence 2, nucleotide sequence 3703.
 insertion sequences, phage f1 hybrids-plasmid pSC101, characterization 5493.
 insolubilized, preparation, methodology 4876.
 integrated donors, *Streptococcus sanguis*, translocation, inhibition-ethidium bromide 5106.
 integration, association-transformation, *Bacillus subtilis*, mechanisms 479, 1690.
 integrity, liver, rats, haemorrhagic shock, effects on 5075.
 interaction-aclacinomycin A 6098.
 interaction-acridines, mutagenesis, base pairs substitution 5457.
 interaction-actinomycin D 7-substituted analogues 2567.
 interaction-amines, putrescine diphosphates structure, X-ray crystallography, models 4923.
 interaction-amines, thermodynamics 4286.
 interaction-9-aminoacridine, fluorescence 6966.
 interaction-aminoacridine/aminobenzacridine 2048.
 interaction-anthracyclines 2049.
 interaction-anthracyclines, voltammetry/polarography 1574.
 interaction-benzo(a)pyrene derivatives 3064.
 interaction-bis-(2-guanidoethyl)-disulphide, conformation, effects on 3686.
 interaction-bleomycin 2568.
 interaction-bleomycin, bases, release 2569.
 interaction-calf thymus nonhistone proteins 6473.
 interaction-carminic acid derivatives 6119.
 interaction-5 α ,6 α -cholesterol oxide 6097, 6976.
 interaction-copper, kinetics/thermodynamics 8884.
 interaction-dauorubicin, localization-Ehrlich ascites tumour cells 965.
 interaction-dexamethasone-receptors complex, liver, rats 5246.
 interaction-4',6-diamidine-2-phenylindole/4',6-dicarboxamide-2-phenylindole, fluorescence 344.
 interaction-2,7-diamino-9-fluorenonenes/N-vinylnucleobases 363.
 interaction-dianhydrogalactitol, Yoshida sarcoma cell culture 1577.
 interaction-cis-dichlorodiammine platinum (II), review 5711.
 interaction-cis-dichlorodiammine platinum (II), relationship-DNA repair 6093.
 interaction-4,8-dimethyl-5'-carboxypsoralen 4272.
 interaction-DNA gyrase, mechanisms 1747.
 interaction-drugs, review 4594.
 interaction-dyes, review 2901.
 interaction-1,1'-ethylene-bis(1-nitrosourea) 5467.
 interaction-formaldehyde-amines reaction products 1578.
 interaction-furocoumarins 1561.
 interaction-histone H1 2245.
 interaction-histone H1, deoxyribonucleoproteins double fibres formation 7420.
 interaction-histone H1, phosphorylation, effects on 6474.
 interaction-histone H1 subfragments, c.d./viscosity 3948.
 interaction-histones, chromatin replication regions 3303.
 interaction-histones, nucleosomes cores assembly 3949.
 interaction-N-hydroxy-1-naphthylamine, role-carcinogenesis 3067.

DNA,(continued)

- interaction-low molecular weight peptides, calf thymus 6095.
 interaction-lysine + amino acids (aromatic) copolymers 5471.
 interaction-metronidazole 4284.
 interaction-mitomycin B 963.
 interaction-mitomycin C 340.
 interaction-nonhistone proteins, liver, mice, specificity 2850.
 interaction-nonhistone proteins, models 7424.
 interaction-oligo (arginine) 2040.
 interaction-phage T4 DNA unwinding protein, kinetics 1288.
 interaction-phage T4 DNA-unwinding protein 3982.
 interaction-phenosafranin, base composition, effects on 4889.
 interaction-phytohormones, chirality/stereochemistry 1575.
 interaction-platinum compounds, antitumour agents, review 4596.
 interaction-proteins, assays 4886.
 interaction-proteins, assays, fluorescence 3339, 3341.
 interaction-proteins, equilibrium/kinetics 5241.
 interaction-quinacrine derivatives, n.m.r. 969.
 interaction-rhodium 6960, 7012.
 interaction-ribonuclease/*Escherichia coli* ribosomal protein S1, binding constants determination 4266.
 interaction-spermine, X-ray scattering/c.d. 359.
 interaction-tyrosine-containing peptides 3664.
 interaction-violamycin, spectroscopy 5455.
 intercalating agents, antitumour activity 1579.
 intercalation, mechanisms 2588.
 intercalation-daunomycin/adriamycin, role-deoxyribonuclease I inhibition 3234.
 intercalation-diacridines 2050.
 intercalation specificity, role-backbone unwinding 6126.
 intermediates, avian sarcoma-leucosis virus, cleavage sites-*Aspergillus oryzae* nuclease S1 2768.
 intracellular, adenovirus (human) 5, termini, bound proteins detection 7469.
 inverted repeat sequence, mastocytoma cells, mice, distribution/methylation 7101.
 ions, effects on, review 12.
 irradiated, free radicals formation, 1-(2-hydroxy-3-methoxypropyl)-2-nitroimidazole, effects on 6989.
 irradiated lymphocytes, alkaline denaturation, kinetics, relationship-single-stranded breaks frequency 5468.
 isolation, use-hydroxyapatite chromatography (column) 3651.
 isolation-agarose gels, methodology 5448.
 isolation-herpes simplex virus infected cells, methodology 4880.
 isolation-*Streptomyces*, methodology 2561.
 JC virus, restriction endonuclease cleavage mapping 3740.
 K virus genome, characterization 4331.
 KB cells, damage, labelled thymidine combination-frog virus 3, effects on 6599.
 KB cells, photoinactivation-neutral red 5459.
 KB cells, strands scission-macromonomer 4912.
 kidney/liver, rats, reaction-N-hydroxy-4-acetylamino-4-fluorobiphenyl 6980.
 Kilham rat virus, 3'-terminus nucleotide sequence 7053.
 kinetoplasts, *Criethidia acanthocephali*, partial transcription 6857.
 kinetoplasts, structure/function, review 4005.
 kinetoplasts, *Trypanosoma cruzi*, characterization-sedimentation analysis 4978.
 labelled 3'-terminus, nucleotide sequence determination, methodology 3695.
 labelled thymidine incorporation, skin, rats, dibutyltin/tributyltin/1-chloro-2:4-dinitrobenzene, effects on 5555.
 labelling, *Aspergillus nidulans* pyr mutant 2554.
Lattuca sativa, cytosine (5-methyl) content, gibberellic acid, effects on 1073.
 leghaemoglobin genes, *Glycine max*, cloning 6374.
 Legionnaire's disease agent, characterization 2646.
Leishmania tarentolae kinetoplasts, components, isolation 4881.
 length, effects on nucleosomes structure, reconstitution 6492.
 lesions, induction-radiation, liver, rats, Cosmos-690, satellites 3070.
 leukaemia cells, mice, trans-dichlorodiammine platinum (II)-induced cross-linking-proteins, quantitation, methodology 6542.
 leukaemia cells, mice, quantitation-intercalating agents-induced strands breaks 6251.
 levels, macrophages, assays 3057.
 ligation, chromatin, neurons/glia cells/liver nuclei, guinea-pigs 6265.
 linear, *Pseudomonas aeruginosa*, transformation/transfection 6338.
 linear/circular, *Escherichia coli* /phage PM-2, binding-sibromycin, effects on density 4339.
 linear/closed circular, murine leukaemia virus, restriction endonuclease cleavage mapping 3741.
 linkage-chromosomes, *Escherichia coli* F factors, role-RNA 4442.
 lipoproteins genes, homology, Enterobacteriaceae 4965.
 liver, ats, methylated purines production, removal mechanisms 1652.
 liver, hepatitis B patients, transfection-BSC cells 2739.
 liver, rats, damage-dimethylnitrosamine, deuterium isotopes, effects on 6978.
 liver, rats, DEAE-cellulose fractionation, structure defects 5526.
 liver, rats, dimethylnitrosamine, purines methylated formation, hypophysectomy, effects on 3675.
 liver, rats, guanine (O⁶-methyl) excision, dimethylnitrosamine, effects on 7159.
 liver, rats, interaction-glucocorticoids receptors complex, kinetics 3995.
 liver, rats, interaction-vinyl chloride 4279.
 liver, rats, transcription-RNA polymerase 515.
 liver/kidney, rats, alkylation-1,2-dimethylhydrazine, inhibition-aminoacetonitrile 4899.
 liver/kidney, rats, dimethylnitrosamine-induced guanine (O⁶-methyl) formation 1567.
 liver/kidney, rats/mice, guanine (O⁶-methyl) removal, inhibition-dimethylnitrosamine 1089.
 liver mitochondria, rats, heterogeneity 409.
 localization-*Chlamydomonas* chloroplasts 5443.
 low molecular weight, scrapie agents, detection, hamsters 5441.
 low molecular weight extrachromosomal, purification 956.
 lung, mice strains, binding-3-methylcholanthrene 6981.
 lung cells, Chinese hamsters, damage-cis-dichlorodiammine platinum II/trans-dichlorodiammine platinum II, comparison 6959.
Lymantria dispar nuclear polyhedrosis virus, characterization 6188.
 lymphoid cells, damage-N-acetoxy-2-acetylamino fluorene 2573.
Lytechinus variegatus spermatozoa/embryos, cytosine (5-methyl) content 3123.
 L1210 cells, cross-linking-nonhistone proteins, bis(2-chloroethyl) methylamine 961.
 magnetic fields, effects on 4919.
 mammalian, construction/evolution/nearest-neighbour ratio

DNA,(continued)

- determination 4995.
 mammalian cells, radiation (u.v.) induced strands breakage, tryptophan/riboflavin, effects on 4910.
 mammalian cells, radiation (u.v.)-treated, survival rates 352.
 mammalian cells, replication initiation sites, spatial distribution, statistical analysis 4367.
 mammary gland, rats, guanine (O⁶-methyl) accumulation, N-methyl-N-nitrosourea, effects on 6984.
 mammary gland tumours, mice strains, mammary tumour virus proviruses sequence detection 6086.
 mammary tumour virus, endogenous, comparison-normal/feral mice 4454.
 mammary tumour virus, integration sites-hepatoma cells, rats, characterization 3864.
 mammary tumour virus, integration-viruses infected normal mammary gland/tumours, mice 3863.
 mammary tumour virus-specific, distribution-chromosomes, mice 4258.
 mapping (physical), herpes simplex virus 1 x herpes simplex virus 2 recombinants 1018.
 Marek's disease virus, comparison-herpesvirus (turkey) 4952.
 Marek's disease virus, integrated-tumour cell lines, chickens 7054.
 measles virus proviruses, detection-systemic lupus erythematosus 5440.
 measurement, use-diaminobenzoic acid 945.
 mediated, adenine phosphoribosyltransferase genes transfer, cells, mammals 5116.
 mediated, transformation, *Neurospora crassa* 7275.
 melanoma cells, hamsters, uridine (5-bromodeoxy) distribution, cytidine (deoxy), effects on 7095.
 melting curve analysis, use-nucleotide sequence determination 3691.
 membrane-bound, sedimentation changes, *Escherichia coli*, during amino acids starvation, RNA biosynthesis inhibition, effects on 3613.
 membranes complex, *Bacillus subtilis*, DNA repair, N-methyl-N-nitrosourea, effects on 4396.
 membranes complex, *Bacillus subtilis*, purification 2876.
 mercurated, stability, reassociation/nuclease S1 digestion, effects on 2063.
 metabolism, fibroblasts, psoriasis 3185.
 metabolism, glioma cells, rats, relationship-dexamethasone-induced growth-inhibitory response 1100.
 metabolism, granuloma cells, rats, silicon oxide-treated macrophages supernatants, effects on 6316.
 metabolism, IncI plasmids-carrying *Escherichia coli*, rifampicin, effects on 6288.
 metabolism, liver, rats, lysine deficiency, effects on 452.
 metabolism, liver/kidney, chlorpheniramine, effects on 7205.
 metabolism, lymphocytes B, inhibition-Epstein-Barr virus 2102.
 metabolism, mice 3799.
 metabolism, nuclei, liver, rats, 2-acetylaminofluorene, effects on 454.
 metabolism, *Saccharomyces cerevisiae* mutants 2723.
 methyl methanesulphonate-treated, phage PM2, normal/xeroderma pigmentosum fibroblasts, endonuclease activity 5612.
 methyl phosphotriesters, hydrolysis rates 2564.
 methylated, *Escherichia coli*, cleavage-restriction endonuclease Dpn I 5168.
 methylated, *Haemophilus parainfluenzae* /*Haemophilus aphrophilus*, cleavage-restriction endonuclease MspI 513.
 methylation, *Aedes albopictus* 6870.
 methylation, cattle, age, effects on 1102.
 methylation, dimethylnitrosamine-induced, liver, hamsters, methylated purines, formation/loss 5042.
 methylation, β -globin genes, rabbits, tissues specificity 2669.
 methylation, leukaemia cells, mice/human lymphocytes, adenosine (5-deoxy-5-S-isobutyl), effects on 5069.
 methylation, lymphocytes, cattle, leukaemia (chronic lymphocytic), effects on 6888.
 methylation, lymphoma cells, mice, during growth 6845.
 methylation, *Propionibacterium shermanii*, methylcobalamin, effects on 5072.
 methylation, protection-S-adenosyl L-methionine-dependent nuclease activity, BHK-21 cells 7301.
 methylation-1,2-dimethylhydrazine, mechanisms 4900.
 methylation-dimethylnitrosamine/methylbenzyl nitrosamine, organs, rats 6983.
 methylation specificity, lymphocytes, cattle 1675.
 mice, binding-7,12-dimethylbenz(a)anthracene/benzo(a)pyrene/3-methylcholanthrene 2056.
 mice, containing, polyoma virus, formation/characterization 2757.
 mice, distribution-polypyrimidine regions 406.
 mice, ethylation-ethyl methanesulphonate 2582.
 mice, N-methyl-N-nitrosourea/N-ethyl-N-nitrosourea/ethyl methanesulphonate alkylation products, analysis, chromatography (high-pressure liquid) 1566.
 microbodies-associated, occurrence-*Candida tropicalis* 2555.
Micrococcus denitrificans, radiation (X), Auger effect 2057.
Micrococcus luteus, guanine (O⁶-methyl) removal use-N-methyl-N'-nitro-N-nitrosoguanidine-treated *Escherichia coli* 7146.
 mitochondria, circular, *Saccharomyces cerevisiae*, resolution, electrophoresis 1041.
 mitochondria, *Cnemidophorus*, analysis 5521.
 mitochondria, *Drosophila melanogaster* /*Drosophila simulans* /*Drosophila virilis*, mapping, electron microscopy 3768.
 mitochondria, *Glycine max*, characterization 415.
 mitochondria, *Glycine max* /*Glycine soja*, restriction endonuclease analysis 5533.
 mitochondria, liver, rats, compact forms, structure 6241.
 mitochondria, liver, rats, localization-mRNA genes 5528.
 mitochondria, liver, rats, primary structure, comparison-ascites hepatoma 413.
 mitochondria, liver/brain, oxen, nucleotide sequence, comparison 5530.
 mitochondria, liver rats, assay, age, effects on 3653.
 mitochondria, *Neurospora crassa*, tRNA-tRNA gene regions, restriction endonuclease mapping 4981.
 mitochondria, nicking-nuclease S1 4471.
 mitochondria, *Podospora anserina*, isolation/characterization 6217.
 mitochondria, *Podospora anserina* mutants/senescence culture, properties 6218.
 mitochondria, primates, evolution comparison, use-restriction endonuclease mapping 5002.
 mitochondria, properties/genetics, review 5694.
 mitochondria, rats, base composition heterogeneity, electron microscopy 3778.
 mitochondria, rats, restriction endonuclease cleavage maps 6242.
 mitochondria, *Saccharomyces carlsbergensis* /*Saccharomyces cerevisiae*, nucleotide sequence 3118.
 mitochondria, *Saccharomyces cerevisiae*, adenosinetriphosphatase complex structural gene, nucleotide sequence 4357.
 mitochondria, *Saccharomyces cerevisiae*, DNA, restriction endonuclease mapping 2081.

DNA,(continued)

- mitochondria, *Saccharomyces cerevisiae*, genes conversion, asymmetry 3876.
- mitochondria, *Saccharomyces cerevisiae*, incorporation-radioactively labelled adenosine (deoxy) 104.
- mitochondria, *Saccharomyces cerevisiae*, mapping-rRNA/tRNA genes/antibiotic resistance loci 2080.
- mitochondria, *Saccharomyces cerevisiae*, restriction endonuclease fragments, cloning-*Escherichia coli*, use-plasmid pMB9 5605.
- mitochondria, *Saccharomyces cerevisiae*, spontaneous mutations frequency, nuclear mutations, effects on 5111.
- mitochondria, *Saccharomyces cerevisiae*, tryptophan codons sequence 7278.
- mitochondria, *Saccharomyces cerevisiae* petite mutant, structure/organization, review 4589.
- mitochondria, *Saccharomyces cerevisiae* petite mutant, nucleotide sequence, adenosinetriphosphatase genes localization 6219.
- mitochondria, *Saccharomyces cerevisiae* petite mutant/grande mutant, heterogeneity 6221.
- mitochondria, *Saccharomyces* petite mutant, rRNA 21S regions, mapping/organization 4351.
- mitochondria, yeasts, chloramphenicol antibiotic resistance segments, electron microscopy 5516.
- modification, phage Mu-induced, requirements, *Escherichia coli* 2145.
- modification-N-acetoxy-2-acetylaminofluorene, effects on methylation 4893.
- modification-aflatoxin B1 346.
- modification-dibromomethylacetate 4915.
- modification-dibromomethyl acetate, base composition determination applications 3687.
- modified, antibodies, characterization 4531.
- modified bases, characterization, mass spectroscopy 6130.
- modified bases, distribution, dinoflagellates 1611.
- Moloney leukaemia virus, infected fibroblasts, mice, detection-multiple integration sites 6186.
- Moloney leukaemia virus infectivity containing, mapping 4953.
- murine leukaemia virus, exogenous/endogenous, transfection 3865.
- Mycobacterium avium-intracellulare* plasmids, isolation 6947.
- Mycobacterium lacticolum*, base composition 1609.
- Mycobacterium smegmatis* phage ATCC 11759, physicochemical properties 4313.
- Mycoplasmavirus MVL2, characterization 2627, 2628.
- Naegleria fowleri*, content during growth 838.
- native, antibodies, identification-cryoglobulinaemia 1753.
- Neurospora crassa* mitochondria, inheritance 5604.
- nick translation-DNA polymerase I 5074.
- Nicotiana*, gametes fusion, effects on 620.
- Nicotiana* callus cells, purification, methodology 6952.
- Nicotiana tabacum* chloroplasts, male-sterile lines, restriction endonuclease analysis 3792.
- nif gene sequence, *Klebsiella pneumoniae*, cloning/characterization 7068.
- nitrofurazone-induced damage, mice 964.
- nitrogen mustard induced cross-linking-proteins, fibroblasts, Chinese hamsters, DNA repair, phenylmethylsulphonyl fluoride, effects on 3821.
- non-specific ligands binding, kinetics analysis, models 7000.
- nonhistone proteins complex, isolation, chromatin 3963.
- Novikoff hepatoma, rats, restriction endonuclease analysis 6254.
- Novikoff hepatoma, restriction endonuclease EcoRI fragments, characterization 5532.
- nuclear, content, *Cryptosporidium chrysosporus* 2557.
- nuclear, content, *Oryza* 3658.
- nuclear, Ehrlich ascites tumour cells, degradation-anthracycline 4887.
- nuclear, HeLa cells, replication/methylation, timing 6267.
- nuclear, *Oryza*, characterization 6260.
- nuclear genomes, *Pennisetum typhoides*, characterization 5534.
- nuclear membranes-associated, radiation, effects on 3072.
- nuclear polyhedrosis virus, *Adoxophyes orana* /*Barathra brassicae*, characterization/comparison 3742.
- nuclear polyhedrosis virus, *Autographa californica* /*Trichoplusia ni* /*Galleria mellonella*, restriction endonuclease mapping 6187.
- nuclear polyhedrosis virus, *Autographa californica*, characterization 7055.
- nuclei, distribution-human brain tumours cells 323.
- nuclei, liver, rats, aralkylation-benzo(a)pyrene 2578.
- nuclei, liver/cerebellum, mice, template primer activity, *Micrococcus lysodeikticus* DNA polymerase/*Escherichia coli* DNA polymerase 535.
- nuclei, *Saccharomyces cerevisiae*, containing, recombinants plasmids, cloning, *Escherichia coli* 2746.
- nuclei matrix, replication/reassociation kinetics, regenerating liver, rats 1099.
- nucleolar, amplification, *Ornithogalum elatum* endosperm 467.
- nucleoli, polytene cells, *Drosophila nasuta*, organization/replication 6230.
- nucleosides incorporation, embryos/maternal tissues, mice, uracil (5-fluoro), effects on 4026.
- nucleosomes, cleavage-deoxyribonuclease I, kinetics 1166.
- nucleosomes, distribution-phosphates groups 4297.
- nucleosomes, embryos, chickens, tRNA genes purification/cloning 7282.
- nucleosomes, erythrocytes, chickens, reaction-dimethyl sulphate, histones, effects on 5223.
- nucleosomes, histones arrangement 599.
- nucleosomes, histones distribution 4548.
- nucleosomes, liver, rats, structure analysis, use-*Haemophilus influenzae* DNA methyltransferase modification 6488.
- nucleosomes, phosphates groups neutralization-histones, effects on conformation 3965.
- nucleosomes linking number, models 366.
- nucleotide sequence, deoxyribonucleoproteins attachment sites, chromosomes, L cells 2870.
- nucleotide sequence, methodology, review 5702.
- nucleotide sequence, methodology, RNA biosynthesis termination-nucleoside (3'-O-methyl)5'-triphosphate 978.
- nucleotide sequence analysis, methodology 5941.
- nucleotide sequence determination, methodology 2065.
- nucleotide sequence determination, use-computer programs 6131.
- nucleotides mapping, use-*Bombyx mori* nuclease/*Aspergillus oryzae* nuclease O 3124.
- occurrence-scrapie agent 3052.
- operators, binding-lactose repressor cores proteins 6538.
- operators, binding-phage λ repressors N-terminus, transcription control 5677.
- organization, chromosomes, Chinese hamsters cells 2672.
- organization, chromosomes, eukaryotes 1786.
- organization, β -globin genes, mice 4998.
- organs, rats, guanine (O⁶-methyl) distribution following pretreatment-N-methyl-N-nitrosourea 6110.
- organs, rats/mice, fragmentation following cycasin treatment 4898.

DNA, (continued)

- Orygia pseudotsugata* nuclear polyhedrosis bundle virus/ nuclear polyhedrosis single-rod virus, molecular weight determination 6189.
- ovalbumin genes, liver, chickens, cloning/molecular organization 5520.
- oxygen, N-ethyl-N-nitrosourea reaction sites, normal/xeroderma pigmentosum fibroblasts/brain cells, rats 3676.
- Oxytricha fallax* macronuclei, characterization 1036.
- packaging, deoxyribonucleoproteins, polytene chromosomes 2869.
- packaging, phage λ heads 3100.
- packaging, phage λ heads, role-FI gene products 3711.
- packaging, phage T4 heads, 9-aminoacridine, effects on 3722.
- packaging, phage T4 heads, role-gene 20 1590.
- packaging, phage T7-infected *Escherichia coli* mutants 6161.
- packaging, phages 988.
- Panagrellus silusiae*, characterization 3120.
- papilloma virus (bovine), characterization, comparison-strains 2630.
- papilloma virus (bovine), characterization 6190.
- papilloma virus, characterization, *Mastomys natalensis* 2631.
- papilloma virus (human), characterization 4333.
- papovavirus (hamster), characterization 6191.
- Paracentrotus lividus* embryos, electron microscopy 1618.
- Paramecium tetraurelia*, radiation (u.v.)-induced damage, photoreactivation, effects on 5040.
- parvovirus (bovine), genomes transcription-foetal spleen cells nuclei, RNA polymerase activity during infection 6004.
- parvovirus, integration-hosts genomes 4455.
- Pediococcus*, homology 393.
- Penicillium chrysogenum*, purification/characterization 2653.
- Periplaneta americana*, nucleosides incorporation, role-vitamin B12 6324.
- Peromyscus eremicus* heterochromatin, nuclease digestion 3776.
- Petroselinum sativum*, renaturation studies, methodology 2676.
- phage λ , alkylation, specific fragmentation-oligo (T) 5'-terminus regions 5492.
- phage λ , complex-membranes, isolation-infected *Escherichia coli* 3196.
- phage λ , enzymatic breakage, ter reaction 486.
- phage λ , in vitro methylation-phage T2 dam mutant DNA methyltransferase 3604.
- phage λ , interaction-platinum complex 6957.
- phage λ , melting profiles, dependence-sodium chloride concentration 6148.
- phage λ , operons RNA 4S-containing, isolation/characterization 326.
- phage λ , restriction endonuclease fragments, separation, identification-*Escherichia coli* RNA polymerase promoters 994.
- phage λ , restriction endonuclease fragmentation/mapping 2606.
- phage λ , RNA polymerase binding sites, mapping, electron microscopy 376.
- phage λ , transcription initiation sites, mapping, electron microscopy 7031.
- phage λ chromosomes, packaging, specificity 3713.
- phage λ deletion mutant attachment sites, nucleotide sequence 378.
- phage λ /phage 1 ϕ 7/plasmid pMB9, transfection/transformation, bacteria, freeze-thawing, effects on 4444.
- phage λ rfid18, regulation-*Escherichia coli* ribosomal protein L12 biosynthesis 5089.
- phage p11, integration-*Bacillus subtilis* chromosomes, methodology 6354.
- phage ϕ c, *Bacillus subtilis*, transfection, phosphorus-32 decay, effects on 7256.
- phage ϕ X174, binding-benzo(a)pyrene diol epoxide, infectivity inhibition 5464.
- phage ϕ X174, cleavage-snakes venom phosphodiesterase 2778.
- phage ϕ X174, inactivation-spermine, mechanisms 3685.
- phage ϕ X174, interaction-benzo(a)pyrene/chrysene/dibenzo(a,h)anthracene diol epoxide 6106.
- phage ϕ X174, melting curve/denaturation maps, analysis 7032.
- phage ϕ X174, melting structure 7030.
- phage ϕ X174, mutations, correction, use-oligodeoxyribonucleotides 1113.
- phage ϕ X174, nucleotide sequence 2604.
- phage ϕ X174, nucleotide sequence determination, methodology 6551.
- phage ϕ X174, photooxidation-thiopyronine, sedimentation analysis 1568.
- phage ϕ X174, replication fidelity-*Escherichia coli* DNA polymerase I, metals/nucleotides pools, effects on 7370.
- phage ϕ X174, strand separation, catalysis-*Escherichia coli* rep gene proteins 573.
- phage ϕ X174, structure, *Escherichia coli* ribosomal protein S1 binding, effects on 848.
- phage ϕ X174, transversion mutant production-oligodeoxyribonucleotides 6090.
- phage ϕ X174/phage G4 heteroduplex, mapping, electron microscopy 4938.
- phage ϕ 105, restriction endonuclease cleavage mapping 990.
- phage ϕ 105/phage ϕ 10/phage ϕ 14, restriction endonuclease cleavage mapping 989.
- phage ϕ 105C, digestion-*Bacillus amyloliquefaciens* restriction endonuclease BamNx, recognition sequence determination 7327.
- phage ϕ 29, restriction endonuclease cleavage mapping 6147.
- phage ϕ 9, 5'-terminus-associated proteins 2822.
- phage BF23, restriction endonuclease cleavage maps 6151.
- phage BF23, structure mapping 6152.
- phage BF23 nonsense suppressor mutant, characterization 997.
- phage C_D, electron microscopy 6159.
- phage CP1, characterization 3101.
- phage fd, fate-*Glycine max* nuclei 471.
- phage fd, gene II proteins cleavage sites, localization 4315.
- phage fd, nucleotide sequence 3102.
- phage fd, orientation, electron microscopy 3717.
- phage fd, promoters regions, polynucleotides, enzymatic-chemical synthesis 5820.
- phage fd, radiation (u.v.) cross-linking-gene 5 protein 6521.
- phage fd, stability mapping 6154.
- phage f1, genes nucleotide sequence 6153.
- phage f1 defective-interfering particles, nucleotide sequence analysis 4314.
- phage G4, nucleotide sequence 2610.
- phage G4, restriction endonuclease mapping 998.
- phage I3, injection, inhibition-Tween-80 4436.
- phage J1, interaction-lysine 4265.
- phage λ , *Escherichia coli* transfection, polyethylene glycol, effects on 6353.
- phage Mu, attachment sites, nucleotide sequence 7035.
- phage Mu, immunity regions, cloning/characterization 7257.
- phage Mu, insertion sites, characterization 3103.
- phage Mu, integration-*Klebsiella pneumoniae* nitrogen fixation genes, induced mutants 2162.
- phage Mu, interaction-repressors 5242.

DNA,(continued)

- phage Mu, S gene/U gene mapping 3718.
 phage Mu, 5' terminus/3'-terminus, nucleotide sequence 2611.
 phage Mu, transposition/replication, molecular models 5054.
 phage M13, localization capsid protein mRNA initiation/termination sites 379.
 phage M13, sequence determination 6156.
 phage M13, transcription, localization-promoters 2073.
 phage M13, transposons insertion 2752.
 phage M13 amber mutant, nucleotide sequence 7034.
 phage PM2, cleavage-nuclease S1 489.
 phage PM2, cross-linking-bleomycin 6964.
 phage PM2, damage, induction-bleomycin, mechanisms 4267.
 phage PM2, purification histone H1 chromatography (affinity) 6948.
 phage PM2, uptake/transport during *Streptococcus pneumoniae* transformation 6357.
 phage P1, cloned fragments, isolation/characterization 4449.
 phage P1, kanamycin resistance determinants, mapping 7038.
 phage P2, packaging 6149.
 phage P2, restriction endonuclease cleavage mapping 4943.
 phage P2/phage 186, restriction endonuclease cleavage mapping 4942.
 phage P22, encapsulation in vitro 6531.
 phage P22, restriction endonuclease cleavage mapping 6157.
 phage Q β , containing, plasmids, formation-phage Q β , *Escherichia coli* 1124.
 phage SD, interaction sodium bisulphite 365.
 phage Sd, mapping 4944.
 phage Sd, mutations, induction-O-methylhydroxylamine, mechanisms 6111.
 phage SH3/phage SH10/phage SH11/phage SH12, physicochemical properties 7039.
 phage SPPI, transcription, restriction endonuclease cleavage mapping 5495.
 phage SP01, *Bacillus subtilis*, restriction endonuclease mapping 6160.
 phage SP82, transcription-*Bacillus subtilis* RNA polymerase, sodium chloride, effects on 3606.
 phage St-I, restriction endonuclease cleavage mapping, comparison-phage ϕ X174/phage G4 996.
 phage St-I, restriction endonuclease cleavage mapping 1001.
 phage S13/phage ϕ X174, *Escherichia coli* RNA polymerase binding sites, localization 380.
 phage S13/phage ϕ X174, localization-*Escherichia coli* RNA polymerase binding sites, electron microscopy 2614.
 phage T1, structure, radiation (γ)/radiation (u.v.), effects on 4907.
 phage T2, deoxynucleotide kinase genes, identification-transcription strand 478.
 phage T2, lithium salt/magnesium salt, structure, X-ray diffraction 1602.
 phage T2, melting temperature, single-stranded/double-stranded breaks, effects on 5496.
 phage T2/phage T4, glucosyl, fragmentation 327.
 phage T4, packaging mechanisms 1000.
 phage T4, radiation (u.v.), endonuclease V-sensitive cytosine (5-hydroxymethyl) products 3075.
 phage T4, restriction, effects on early gene expression 7260.
 phage T4, transcription in vitro, initiation-dinucleotides 1499.
 phage T4 particles, electron microscopy 6162.
 phage T5, restriction endonuclease analysis 3104.
 phage T5, restriction endonuclease cleavage sites, mapping 1589.
 phage T5, tRNA Arg genes-containing fragments, isolation 954.
 phage T5 interruption-deficient mutant, characterization 3720.
 phage T5 mutants, restriction endonuclease EcoRI cleavage sites mapping 6163.
 phage T7, alkylated, poly (I)-poly (C) complexes, effects on 740.
 phage T7, alkylation 361.
 phage T7, double-stranded breakage/cross-linking-proteins, induction radiation (ionizing) 4905.
 phage T7, encapsulation phospholipids vesicles 5582.
 phage T7, interaction-*Escherichia coli* RNA polymerase 336.
 phage T7, interaction polyamines 335.
 phage T7, methylmercury induced sedimentation heterogeneity 7041.
 phage T7, modified nucleotides-containing, transcription phage T7 specific RNA polymerase 519.
 phage T7, promoter (A2)/5'-terminus nucleotide sequence 381.
 phage T7, promoters regions, nucleotide sequence 2615.
 phage T7, promoters sites, mapping 2632.
 phage T7, promoters/terminators sites, utilization-bacterial RNA polymerase 5623.
 phage T7, radiation (u.v.)-treated, *Saccharomyces cerevisiae* endonuclease α activity 2767.
 phage T7, recombination frequency 1125.
 phage T7, replication origin, localization 6166.
 phage T7, replication/transcription, role-*Escherichia coli* DNA gyrase 3926.
 phage T7, spermidine-induced condensation, electron microscopy 382.
 phage T7, 5'-terminus/3'-terminus, nucleotide sequence 2617.
 phage T7 C promoter, nucleotide sequence 3719.
 phage T7/calf thymus, conformation, radiation (u.v.), effects on 4946.
 phage T7 genes, modification-alkylated RNA 6094.
 phage T7/phage gh-1/phage PM2, cleavage-endonuclease, mung beans 488.
 phage OX174, photoinactivation-proflavine 2700.
 phage 186, gene mapping 6150.
 phage 2C, duplication/recombination, antibiotics, effects on 7106.
 phage 434, cII gene-cro gene regions, nucleotide sequence 3716.
 phage ϕ , thymine incorporation during *Bacillus subtilis* transfection 6576.
 phages, nucleotides analogues determination, methodology 6146.
 phages, reaction-bisulphite 4021.
 phages/plasmids, isolation, methodology 325.
 phosphotriesters, occurrence-kidney/liver/lung, rats, carcinogens-induced damage 2572.
 photochemical cross-linking-histones, nucleosomes 1278.
 photochemical interaction-xanthyletine 4892.
 photochemical reaction-psoralen, kinetics analysis 4891.
 photochemistry/photoreactivation, review 4582.
 photoionization, cations radicals, e.p.r. 3083.
 photooxidation damage-thiopyronine, determination 3084.
 photooxidation damage-thiopyronine, models 3085.
 photosensitization-dyes, free radicals induction 2047.
 photosensitization-dyes, phage T4 inactivation 3062.
 photosensitization-gold 334.
 photosensitization-tyramine/tyrosine, thymine dimers formation 3683.
Physarum polycephalum, analysis-radiation (u.v.) photolysis products, replication 1063.
Physarum polycephalum, inverted repeat sequence distribution 6215.

DNA,(continued)

- physical properties 370.
 physicochemical properties, barbiturates, effects on 4299.
 physicochemical properties, data analysis-computer programs 7010.
Phytomonas davidi kinetoplasts, isolation/characterization 329.
Pisum sativum , kinetics complexity 3138.
Pisum sativum chloroplasts, cloning, *Escherichia coli* plasmids 1122.
Pisum sativum genome, size 1058.
 placenta, *Macaca mulatta* , Mason-Pfizer monkey virus proviruses sequence detection 6089.
 plants, cytosine (5-methyl) distribution 414.
 plasmid pBg, nucleotides analogues insertion, mutagenesis, sites specificity 5080.
 plasmid pBR313, depolymerization-*Hordeum* /*Nicotiana* protoplasts, protection-poly-L-ornithine 7292.
 plasmid pBR322, amplification-*Escherichia coli* , cytidine/uridine, effects on 5085.
 plasmid pBR322, *Escherichia coli* , ampicillin resistance genes, nucleotide sequence 374.
 plasmid pBR322, liposomes-immobilized, transfer-*Escherichia coli* 7248.
 plasmid pBR322, transformation-*Escherichia coli* 1135.
 plasmid pMB9, immobilization-liposomes 6335.
 plasmid pMB9/phage λ , restriction endonuclease EcoRI cleavage mechanisms 5138.
 plasmid pRD1, spontaneous degradation, role-recA gene 4931.
 plasmid pRZ2, restriction endonuclease fragments, chromatography (column) 6141.
 plasmid pRZ2, restriction endonuclease fragments, fractionation 6144.
 plasmid R6-5/plasmid R6, restriction endonuclease fragments, cloning/characterization 982.
 plasmid Ti, *Agrobacterium tumefaciens* , transfer/expression-plants 7252.
 plasmids, *Arthrobacter crystallopoietes* , characterization 4928.
 plasmids, *Bacillus thuringiensis* , purification/properties 4929.
 plasmids, *Bacillus thuringiensis* /*Bacillus popilliae* , isolation/characterization 7241.
 plasmids, *Citrobacter intermedius* , role-glutamic acid excretion 7223.
 plasmids, detection-*Bacillus subtilis* /*Escherichia coli* /*Neisseria gonorrhoeae* , methodology 2016.
 plasmids, detection-*Streptococcus pneumoniae* 4864.
 plasmids, effects on phenotyping 3688.
 plasmids, *Escherichia coli* , liposomes immobilization, interaction-*Vigna sinensis* protoplasts 7028.
 plasmids, histones-bound, *Saccharomyces cerevisiae* , isolation/characterization 6933.
 plasmids, isolation, methodology 5449.
 plasmids, isolation-*Bacillus thuringiensis* /*Bacillus cereus* 4879.
 plasmids, isolation-*Streptococcus mutans* 6946.
 plasmids, isolation-*Streptomyces olivaceus* 953.
 plasmids, occurrence-*Pseudomonas phaseolicola* 4256.
 plasmids, purification, methodology 4150.
 plasmids, purification, use-chromatography 6091.
 plasmids, recombination intermediates, *Saccharomyces cerevisiae* , occurrence during meiosis 7074.
 plasmids, *Rhizobium meliloti* , isolation/characterization 2559.
 plasmids, *Staphylococcus epidermidis* , assays 2017.
 plasmids, *Streptococcus lactis* , characterization, relationship-citrate metabolism 4863.
 plasmids, *Streptococcus pyogenes* , inverted repeat sequence 7024.
 plasmids, *Streptococcus pyogenes* , restriction endonuclease analysis 7023.
 plasmids, *Synechococcus* /*Synechocystis* strains, detection/homology 7081.
 plasmids, transformation-*Bacillus subtilis* protoplasts 5589.
 plasmids, transformation-*Escherichia coli* , stage-growth 6345.
 plasmids, transformation-*Streptomyces* 474.
 plasmids, transposon Tn3 integration sites, nucleotide sequence 4930.
 plasmids Col E1/calf thymus, binding-chloroquine/quinacrine, comparison 4282.
 plasmids ColE1, replication origin/termination regions, association-*Escherichia coli* minicells membranes 4561.
 plasmids ColE1, transcription initiation/termination sites, characterization 6140.
 plasmids ColE1, transformation-*Escherichia coli* , methodology 5076.
 plasmids pairs, transformation-*Escherichia coli* 5588.
 plasmids/phage T7/phage λ , differential methylation-*Escherichia coli* mutants 7393.
 plasmids/phages, promoters, interaction-RNA polymerase *Escherichia coli* 3892.
 plasmids/phages, *Pseudomonas aeruginosa* transformation 5082.
 plasmids/plants, *Agrobacterium tumefaciens* deoxyribonuclease I/restriction endonuclease/DNA-unwinding protein, effects on 1169.
 plasmids pRZ2, restriction endonuclease fragments, chromatography (column) elution 6143.
Poecilia formosa thyroid cells, pyrimidine dimers photoreactivation, assays 4908.
 polyoma virus, cloning-*Escherichia coli* , use-plasmids vectors 5093.
 poly (A) regions, sarcoma, rats, polycyclic hydrocarbons, effects on 4278.
 polymers, insertion sequences, containing, recombinants plasmids, construction 6349.
 polyoma virus + capsids, assembly, particles, characterization 7473.
 polyoma virus, biological activity-mice/hamsters 3845.
 polyoma virus, cleavage-restriction endonuclease, effects on tumorigenicity 7294.
 polyoma virus, cloning-*Escherichia coli* , use-phage λ vectors 5094.
 polyoma virus, containing, phage λ /plasmid pBR322, construction/infectivity-fibroblasts, mice 7265.
 polyoma virus, detection-brain tissues, human progressive multifocal leukoencephalopathy 3053.
 polyoma virus, nucleotide sequence 387.
 polyoma virus, organization, transformed cell lines, rats 3744.
 polyoma virus, replication, kinetics 7117.
 polyoma virus, replication origin regions, nucleotide sequence, comparison-BK virus/SV40 6192.
 polyoma virus, transcription-calf thymus RNA polymerase II 1186.
 polyoma virus, transcription-*Escherichia coli* RNA polymerase 1721.
 polyoma virus genome, non-transforming mutant, nucleotide sequence 2633.
 polyoma virus mutants, restriction endonuclease cleavage sites 1599.

DNA,(continued)

- post-irradiation degradation, thymocytes, rats, metabolism inhibitors, effects on 3819.
- poxvirus, base composition 5501.
- poxvirus/cowpox virus/vaccinia virus/monkeypox virus/variola virus, restriction endonuclease fragments, electrophoresis 1014.
- precursors, nucleoside monophosphates/nucleoside triphosphates, compartmentation, phage T4-infected *Escherichia coli* 127.
- preparation-electron microscopy, methodology 981.
- primary structure, determination, use-pyrimidines isopliths ratio 6120.
- proflavine intercalation, induced c.d. 5476.
- promoters regions, phage fd, polynucleotides, synthesis 2356.
- protection-metal coordinates 959.
- proteins-bound, separation 4877.
- proteins complex, isolation/characterization, *Paracentrotus lividus* embryos 3994.
- proteins/interstrand cross-linking, induction-chloroethylnitrosoureas, leukaemia L1210 cells 3672.
- proviruses, loss, Kirsten sarcoma virus transformed fibroblasts, mice, revertants 7264.
- proviruses, Rous sarcoma virus transformed BHK-21 cells, infectivity 3868.
- proviruses sequence, detection-gibbon ape leukemia virus infected tissues 4868.
- pseudorabies virus, structure, electron microscopy 6193.
- pseudorabies virus defective interfering particles, structure during evolution 7056.
- purification following electrophoresis, methodology 3058.
- purine (2-amino)/purine (2,6-diamino)-induced mutation, mechanisms 7128.
- purines, methylation-1,2-dimethylhydrazine, organs, rats, disulfiram pretreatment, effects on 4277.
- purines insertion, *Escherichia coli* enzymes 4522.
- pyrimidine dimers, *Saccharomyces cerevisiae*, role-mutagenesis 5552.
- pyrimidines substitution, phages, cleavage-sequence-specific restriction endonuclease, effects on 5140.
- pyrimidines tracts, distribution, determination-nearest-neighbour frequency 4298.
- R factor NR1, transcription-*Proteus mirabilis* 6849.
- R factor NR1/F' lac factor, replication-*Escherichia coli* initiation temperature-sensitive mutant 4413.
- R factor RP4, *Rhizobium meliloti*, characterization 7254.
- R factor RSF1010/plasmid pBR322, transformation-*Pseudomonas phaseolicola* 7253.
- R factor R100, replication origin regions, nucleotide sequence 5489.
- R factor R538-1, *Escherichia coli*, transcription/translation 6850.
- R factor R6-5, nucleotide sequence evolution 2603.
- radiation (γ), effects on secondary structure/biological activity 1570.
- radiation (γ), enzymatic digestion, separation oligonucleotides 1143.
- radiation (u.v.) + 8-methoxypsoralen, effects on 4281.
- radiation (u.v.), induction-free radicals 4909.
- radiation (u.v.), polypyrimidine regions, thymidine incorporation, human fibroblasts 437.
- radiation (u.v.)/acids/osmium tetroxide-damaged, endonuclease activity, mice plasmacytoma cells, characterization 510.
- radiation (u.v.)-denatured, role-skin lesions induction, rabbits 2146.
- radiation (u.v.)-induced fragmentation, Xeroderma pigmentosum 6115.
- radiation (u.v.) products, synthesis 685.
- radiation (u.v.)-treated HeLa cells/*Drosophila* cells, binding-psoralen derivatives 6969.
- radiation (X)-induced single-stranded/double-stranded breaks, L cells, cysteamine/2-aminoethylisothiuronium bromide/2-mercaptopropionylglycine, effects on 6998.
- radiation (X)/radiation (synchrotron), effects on, comparison 2586.
- radiation damage, comparison-single-stranded/double-stranded 1569.
- radioactive labelling, assays 949.
- rats, mammary tumour virus-related sequence, distribution 7092.
- rats mitochondria, cloning 4469.
- reaction-ascorbic acid-related reductones 975.
- reaction-complement, in vitro 3284.
- reaction-ethylnitrosoureas-2-halo derivatives, mechanisms 357.
- reaction-furocoumarins 968.
- reassociation, *Pisum* epicotyls, wounds, effects on 2677.
- reassociation kinetics, regeneration, rats 1099.
- recognition sequence, *Klebsiella pneumoniae* restriction endonuclease KpnI 1717.
- recognition sites, gene 44/62/gene 45 proteins-catalyzed ATP hydrolysis, phage T4 554.
- recombinant, applications, review 5254.
- recombinant, genetic engineering, plants 3219.
- recombinant, goats globin genomes sequence containing, isolation/characterization 7287.
- recombinant, industrial applications, review 4587.
- recombinant, rats prolactin genes-containing, construction/analysis 3849.
- recombinant, synthesis, use-immunoglobulins light chain mRNA 1142.
- recombinants, applications, review 6546.
- recombination, catalysis-*Escherichia coli* recA gene proteins 6539.
- recombination, *Escherichia coli* cell-free system 481.
- recombination, genetic engineering, review 666.
- recombination, review 13, 2886.
- recombination, SV40-infected cells, review 665.
- recombination, use-phage λ , review 663.
- regions, *Escherichia coli* tryptophan operon mutations-carrying, cloning 7269.
- regions, *Xenopus laevis*, tRNA Met coding, identification 6372.
- renaturation-*Escherichia coli* recA gene proteins 3344.
- renaturation properties, purification/fragmentation, effects on 2591.
- repeated length, *Physarum polycephalum* chromatin 2856.
- repeated unit, human Y chromosome, organization/heterogeneity 6249.
- repetitive, calf/sheep/goats chromosomes, characterization 2090.
- repetitive, content, *Aspergillus nidulans* 3761.
- repetitive, *Escherichia coli* 6209.
- repetitive, frequency, evolutionary genetics, *Strongylocentrotus purpuratus* /*Strongylocentrotus franciscanus* /*Lytechinus pictus* 2085.
- repetitive, human, homology-primates 3784.
- repetitive, hybridization-chromosomes, *Triturus cristatus carnifex* 4554.
- repetitive, identification-human Y chromosome polymorphism 2867.
- repetitive, localization-*Secale cereale* heterochromatin 3960.
- repetitive, location-*Drosophila melanogaster* somatic

DNA,(continued)

- chromosomes 3974.
- repetitive, neurons, cerebral cortex, rabbits, occurrence 1548.
- repetitive, organization, *Geryon quinquedens* genomes 3122.
- repetitive, reassociation kinetics 3692.
- repetitive, *Saccharomyces cerevisiae*, transposition 4984.
- repetitive, temperature denaturation, analysis 2598.
- repetitive, *Xenopus laevis*, isolation, use-high temperature reassociation 1555.
- repetitive intercalated, mice, haplotypes changes 5000.
- repetitive sequence, distribution-*Rhynchosciara americana* polytene chromosomes 4991.
- repetitive sequence, primates, evolution 3780.
- repetitive sequence, role-genes expression regulation 6846.
- repetitive sequence, *Strongylocentrotus purpuratus*, characterization 2658.
- repetitive sequences, arrangement, *Caenorhabditis elegans* 2083.
- repetitive sequences, *Xenopus laevis* /*Bufo bufo* /*Triturus cristatus* /*Necturus maculosus* 1045.
- replication, adeno-associated virus, CV-1 cells growth, effects on 4385.
- replication, adeno-associated virus, phosphonoacetic acid/2-deoxyglucose, effects on 4384.
- replication, adenovirus (human) 12, incorporation-uracil 6270.
- replication, adenovirus (human) 2 5540.
- replication, adenovirus (human) 2/adenovirus (human) 5, role-DNA polymerase γ 4510.
- replication, *Bacillus subtilis*, relationship-sporulation induction 2720.
- replication, cauliflower mosaic virus, review 2898.
- replication, CHO cells/HeLa cells/human fibroblasts, comparison 6330.
- replication, chromosomes, *Crepis capillaris* seedlings, autoradiography 7220.
- replication, Col E1, *Escherichia coli* lig-ts 7 mutant 1068.
- replication, control, DNA polymerase activity, embryo cells, chickens, during myogenesis 3261.
- replication, CV1 cells, during serum-induced S phase 6331.
- replication, *Drosophila hydei* /*Drosophila neohydei* chromosomes 6264.
- replication, *Dunaliella tertiolecta*, regulation during senescence 5057.
- replication, *Escherichia coli*, review 6554.
- replication, *Escherichia coli*, thymine starvation pretreatment, rifampicin/chloramphenicol, effects on 3150.
- replication, *Escherichia coli* DNA-binding protein defective mutant 5234.
- replication, *Escherichia coli* dnaT mutant 3176.
- replication, eukaryotes, review 5715.
- replication, heart cells, rats, adriamycin, effects on 6295.
- replication, HeLa cells, G1 phase, radiation (γ), effects on 7172.
- replication, HeLa cells, radiation (γ), effects on 3823.
- replication, human lymphocytes, anaemia (megaloblastic), effects on 7218.
- replication, inhibition-nuclear proteins, hepatoma cells 5579.
- replication, initiation, CHO cells, inhibition-actinomycin D 3166.
- replication, L cells, cycloheximide, effects on 463.
- replication, liver cells, rats/human leucocytes, radiation (u.v.) / cyclophosphamide, effects on 4402.
- replication, mechanisms, toluene-treated *Escherichia coli* 3796.
- replication, organization, mammalian cells 6266.
- replication, papilloma virus (human) 1, localization-human warts 6275.
- replication, phage λ , cloning-gene P, effects on 5020.
- replication, phage G13, *Escherichia coli* dna mutant 1641.
- replication, phage M13-infected *Escherichia coli*, DNA-unwinding protein, effects on 5538.
- replication, phage T1, concatemeric DNA formation 1591.
- replication, phage T4, role-gene 32/gene 43/gene 44/gene 62 proteins 6523.
- replication, *Physarum polycephalum*, electron microscopy/autoradiography 4378.
- replication, *Physarum polycephalum* plasmodia, heat shock, effects on 7193.
- replication, pituitary, rats, relationship-prolactin content 5544.
- replication, plasmid pML31 mutants, temperature effects 5567.
- replication, plasmid pSC101, *Escherichia coli* dna gene mutation, effects on 4412.
- replication, polyoma virus, cytosine arabinoside, effects on 5764.
- replication, polyoma virus, infected C3H2K cells 3802.
- replication, polyoma virus, initiator RNA biosynthesis/distribution 895.
- replication, pseudorabies virus, concatemers, analysis 4335.
- replication, R factor NR1, *Escherichia coli*, chloramphenicol/rifampicin, effects on 3808.
- replication, R factor RSF 1030, origin/direction 3706.
- replication, radiation (u.v.), effects on, review 5719.
- replication, Rous sarcoma virus-transformed fibroblasts, rats, regulation-serum 7212.
- replication, S phase, 3T6 cells, regulation-ATP/ADP pools 5070.
- replication, *Schizosaccharomyces pombe*, initiation control 6322.
- replication, stability, mice cells, preincubation 2100.
- replication, structure, theories 4293.
- replication, SV40, accumulation-late replicative intermediates 5542.
- replication, SV40, in vitro 2678.
- replication, SV40, role-DNA polymerase α 538.
- replication, *Tetrahymena pyriformis* mitochondria 6321.
- replication, *Tetrahymena thermophila* temperature-sensitive mutant 4418.
- replication, transmission complexity 5566.
- replication, vaccinia virus/herpes simplex virus 1, muscle cells, embryos, chickens 1649.
- replication accuracy, review 5691.
- replication complex, adeno-associated virus, characterization, herpes simplex virus 1/adenovirus (human) 5-infected Vero cells 7108.
- replication enzymes, myoblasts, heart muscles, rats, activity during differentiation 6326.
- replication initiation, *Escherichia coli*, control 4376.
- replication initiation, *Escherichia coli*, control, role-dnaA gene products 4377.
- replication/maturation, phage P22, *Salmonella typhimurium* temperature-sensitive mutant 5539.
- replication origin, SV40/polyoma virus chromatin, structure/recognition-endonuclease 3969.
- replication origin-containing fragments, *Escherichia coli*, replication in vitro 4338.
- replication rate, SV40 variants 3826.
- replication rates/replicons size, *Tetrahymena pyriformis* macronuclei 6860.
- replication systems, *Escherichia coli* R factor RSF1030, characterization 7187.
- replication termini, *Escherichia coli*, mapping 6201.

DNA.(continued)

- replication unit, size, *Arbacia punctulata* embryos 7082.
 replicative form, phage ϕ K, replication-*Escherichia coli*
 dnaB mutant/dnaC mutant 3801.
 replicative form, phage ϕ X174, R loops, characterization
 3098.
 replicative form, phage ϕ X174, replication in vivo 1635.
 replicative form, phage fd, promoters function, bases
 substitution, gene regulation 6336.
 replicative form, phage fd, transcription-*Escherichia coli* /
Caulobacter crescentus RNA polymerase 6404.
 replicative form, phage G4, replication-*Escherichia coli* dna
 mutant 7107.
 replicative intermediates, phage P4/*Escherichia coli*, size
 distribution 6158.
 resistance-hydrochloric acid hydrolysis, chromatin, rats, age/
 cortisol, effects on 3321.
 restriction endonucleases EcoRI fragments, phage λ , hybrids
 plasmids, construction 6352.
 restriction endonuclease cleavage, termini quantitation, use-
 polynucleotide kinase exchange reaction 5118.
 restriction endonuclease cleavage sites mapping,
 methodology 7003.
 restriction endonuclease fragments, chromatography (high-
 pressure liquid) 4657.
 restriction endonuclease fragments, electrophoretic mobility,
 antibiotics, effects on 4937.
 restriction endonuclease fragments, mapping, methodology
 4940.
 restriction endonuclease fragments, nucleotide sequence
 determination 2594.
 restriction endonuclease fragments, separation-
 electrophoresis 3060.
 restriction endonuclease HindIII fragments, Novikoff
 hepatoma, localization-nucleoli 6256.
Rhizobium meliloti, thymidine incorporation 7191.
Rhodospseudomonas capsulata plasmids, characterization
 6139.
 RNA, occurrence-serum, rats, comparison-Zajdela
 hepatoma 3654.
 tRNA Cys/tRNA His genes, *Saccharomyces cerevisiae*
 mitochondria, nucleotide sequence 7076.
 RNA hybridization products, analysis, use-centrifugation,
 caesium sulphate gradients 4291.
 RNA hybrids, visualization-electron microscopy, use
 polynucleotide phosphorylase catalyzed poly (A)
 incorporation-RNA 835.
 RNA R-loops, formation/stabilization, methodology 6132.
 tRNA Tyr suppressors genes, enzymatic synthesis 5817.
 role-androgens receptors binding-chromatin, prostate, rats
 6491.
 role-bacteria cell injury, review 5256.
 role-transformation, *Spirillum lipoferum* 4461.
 Rous sarcoma, hamsters, Rous sarcoma virus-specific
 sequence, hybridization analysis 6257.
 Rous sarcoma virus, transfection-embryo fibroblasts,
 chickens, mechanisms 1130.
 Rous sarcoma virus deletion mutant, characterization 7057.
Saccharomyces cerevisiae, *Escherichia coli* RNA
 polymerase binding sites, mapping 7075.
Saccharomyces cerevisiae, homology-double-stranded RNA
 2468.
Saccharomyces cerevisiae chromosomes, analysis-termini
 cross-linking 5512.
Saccharomyces cerevisiae mitochondria,
 adenosinetriphosphatase genes, nucleotide sequence 3119.
Saccharomyces cerevisiae mitochondria, guanosine +
 cytidine-rich regions, nucleotide sequence homology 3763.
Saccharomyces cerevisiae mitochondria, mapping,
 comparison-strains 4355.
Saccharomyces cerevisiae mitochondria, pet18 gene
 maintenance 1697.
Saccharomyces cerevisiae mitochondria, restriction
 endonuclease mapping 4354.
Saccharomyces cerevisiae mitochondria, tRNA Thr genes,
 mapping 4356.
Saccharomyces cerevisiae mitochondria, tRNA genes,
 mapping 4982.
Saccharomyces cerevisiae mitochondria, transcription 6815.
Saccharomyces cerevisiae mitochondria mutants, deletion
 mapping 5513.
Saccharomyces mitochondria, rRNA 21S cistrons, mapping/
 localization 4350.
Saccharomyces mitochondria, rRNA 21S regions, genetic
 markers, location 4352.
Saccharomyces plasmids, in vitro replication 4371.
Salmo, purification, methodology 3650.
 salmon sperm, interaction-spermine, X-ray diffraction 398.
Salmonella typhimurium, binding-ethidium azide analogues,
 ethidium bromide competition 5458.
Salmonella typhimurium, binding-*Glycine max* cells,
 autoradiography 3201.
Salmonella typhimurium, replication origin, containing,
 plasmids isolation/restriction endonuclease mapping 7070.
Schizosaccharomyces pombe mitochondria, structure,
 electron microscopy 2655.
 secondary structure, c.d. 3689.
 secondary structure, platinum binding, effects on 7005.
 secondary structure, X-ray crystallography/c.d. 2597.
 sedimentation patterns, liver, rats/mice, urethane, effects on
 3681.
 sedimentation properties, lymphocytes, erythrocytes, effects
 on 2093.
 segments, BK virus, antigen t-coding, nucleotide sequence
 3727.
 segments, *Drosophila melanogaster* heat shock proteins
 genes containing, mapping 6227.
 segments, labelling-*Bacillus subtilis* plasmid pHV 400
 replication regions 4443.
 segregation, epithelium stem cells 1676.
 segregation/septation, *Bacillus*, review 2286.
 self complementary sequence, *Bacillus subtilis*,
 characterization 4964.
 separation, chromatography (affinity), gels preparation 2439.
 separation, distamycin A/netropsin, effects on 951.
 separation, methodology 4878.
 separation, use-poly (U.G) agarose gels 950.
 sequence, adenovirus (human) 5, detection-transformed
 embryo cells, human kidney 4867.
 sequence, C-type virus (murine)-specific, detection 6084.
 sequence, cleavage-restriction endonuclease EcoRI 6400.
 sequence, cloned, galactose-induced, *Saccharomyces*
cerevisiae, isolation 3662.
 sequence, coding-immunoglobulins heavy chains, mice 4997.
 sequence, complementary-Moloney sarcoma virus,
 transcription-transformed cell lines, mice 2756.
 sequence, D-type virus, detection-monkeys 2551.
 sequence, *Escherichia coli* threonine operon regulation
 regions 4972.
 sequence, influenza virus strains, occurrence 6085.
 sequence, Moloney leukaemia virus, integration-chromatin,
 BALB/Mo cells, mice, structure 4954.
 sequence, phage λ replication origin 4934.
 sequence, phage T7 promoters recognition/initiation sites

DNA,(continued)

6165.
sequence, polyoma virus deletion mutant 4334.
sequence, tick-borne encephalitis virus, detection-infected cell culture 5442.
sequence analysis, review 5720.
sequence homology, *Caedobacter* 2639.
sequence homology, detection/mapping, methodology, polyoma virus/BK virus/SV40 genomes evaluation 6124.
sequence homology, *Echinodermata* 3121.
sequence homology, erythromycin, antibiotic resistance plasmids, *Staphylococcus aureus* /*Streptococcus sanguis* /*Streptococcus faecalis* 7022.
sequence organization, *Cairina domestica* /*Gallus domesticus* /*Columba livia domestica* 3771.
sequence organization, determination, methodology 976.
sequence repetition, role-bacteria genes evolution 7266.
sequence-specific, uptake, *Haemophilus* transformation 3861.
sequence-specific binding-protein, characterization, use-deoxyribonuclease footprinting 640.
sequence-specific cleavage-neocarzinostatin/bleomycin 342.
sequence-specific inactivation, use-cross-linking agents 7016.
sequence translocation during embryogenesis, *Strongylocentrotus purpuratus* 2086.
sequences, amplification, chickens, association-cartilage/neural retina differentiation 447.
sequences, bovine leukaemia virus provirus, detection, cattle/human/sheep/pigs 2550.
sequences, ducks cells, transfer-3T3 cells, Rous sarcoma virus 1140.
sequences, homology-proteins, relationship-evolution, computer programs 923.
sequences, influenza A virus-associated, occurrence 1545.
sequences organization, *Echinodermata* 2657.
Shigella stutzeri /*Shigella sonnei*, adenine (N⁶-methyl) content 394.
short, 3T3 cells, characterization 1632.
simian foamy virus 7 proviruses, role-persistent infection, rabbits 2741.
single-stranded, affinity-chromatin nonhistone proteins, hepatoma cells 6478.
single stranded, affinity-high molecular weight nonhistone proteins 7423.
single-stranded, antibodies, occurrence, diabetes 5185.
single-stranded, antibodies, occurrence-antinuclear antibody-negative patients 7407.
single-stranded, antibodies, use-hepatitis diagnosis 1752.
single-stranded, autoimmunity, plaque-forming cells response, regulation in vitro, mice 2224.
single-stranded, autoimmunity, plaque-forming cells response in vitro, mice 2226.
single-stranded, binding-SV40 antigen T 4914.
single-stranded, content, liver, mice, age, effects on 3775.
single-stranded, DNA-binding protein, rats cell lines, biosynthesis following transformation-Rous sarcoma virus 7465.
single-stranded, interaction-*Escherichia coli* DNA-binding proteins, fluorescence 2269.
single-stranded, isolation-hepatitis A virus 2025.
single-stranded, Kilham rat virus, 3'-terminus nucleotide sequence 6185.
single-stranded, localization-cauliflower mosaic virus genome 390.
single-stranded, phage, use-recombination, review 661.
single-stranded, phage ϕ X174, digestion-sheep kidney nuclease 1147.
single-stranded, phage M13, *Escherichia coli* RNA polymerase binding sites, characterization 999.
single-stranded, preparation, use-exonuclease III 3878.
single-stranded, release, DNA biosynthesis, cytosine arabinoside, effects on 1851.
single-stranded, specific nuclease, cleavage-chromatin, erythrocytes, chickens 7299.
single-stranded, SV40-transformed 3T3 cells, isolation/characterization 6253, 7058.
single-stranded breakage, hepatocytes, mice, age, effects on 2062.
single-stranded breakage, induction-nitrosoureas, mechanisms 6996.
single-stranded breakage, radiation (u.v.)-treated HeLa/Chinese hamster cells 353.
single-stranded breakage, rats, carcinogens-induced, assays 347.
single-stranded breakage, tumours, induction-carminomycin 962.
single-stranded breakage-fluorescent light, Chinese hamster cells 350.
single-stranded breaks, induction-2,2',5,5'-tetrachlorobiphenyl metabolites 6986.
single-stranded/double-stranded breaks, radiation (ionizing)-induced, models 6113.
single-stranded regions, brain/liver, mice, age, effects on 6239.
single-stranded regions, *Streptococcus pneumoniae*, characterization 4975.
single-stranded templates, copying-hepatoma tissue culture chromatin 1778.
sites-specific cleavage-*Escherichia coli* DNA gyrase 6446.
size, cytomegalovirus, comparison-human/mice 4950.
size, *Oxytricha* /*Stylonychia* /*Tetrahymena* /*Paramecium* macronuclei 4976.
skin cells, mice, binding-polycyclic hydrocarbons 2583.
slow reassociating, mice, heterogeneity 404.
small/circular, BSC-1 cells, isolation/characterization 412.
small circular, content/size distribution, bursa of Fabricius, chickens, during development 2664.
solubilization-benzo(a)pyrene (6-oxy), n.m.r./e.s.r. 2052.
solution structure/dynamics, n.m.r. 4294.
solutions, conductance 5474.
solutions, conductance, temperature, effects on 5478.
solutions behaviour 2067.
spacer, *Xenopus laevis* rRNA gene, sequence organization 6232.
specific sequences, purification, methodology 952.
sperm, herring, isolation-poly (dA) 1372.
spermatozoa, interaction-nuclear protein, mechanisms 645.
Spinacia oleracea chloroplasts, localization-tRNA Ile genes 7291.
spleen necrosis virus, accumulation-infected avian/rats cells 7119.
spleen necrosis virus, restriction endonuclease analysis 5502.
Staphylococcus aureus plasmid pC194/plasmid pC223/plasmid PUB112, characterization/transformation efficiency 2601.
Staphylococcus aureus plasmid pTP-2, transformation-*Bacillus subtilis* 3204.
strand separation, catalysis-*Escherichia coli* rep gene proteins, utilization-ATP 574.
strands, phage f1 replicative form, DNA biosynthesis initiation 3793.
strands, phase 2C, replication mechanisms, *Bacillus subtilis* 5021.
strands breakage, bleomycin, effects on 6100.
strands breakage, tumour cells, macromomycin, effects on

DNA,(continued)

5564.
strands exchange, phage λ sites-specific recombination 4447.
Streptococcus bovis, preparation, base composition variation 6950.
Streptococcus cremoris plasmids, isolation/characterization 3702.
Streptococcus faecalis, single-stranded breakage, induction-heating 6290.
Streptomyces coelicolor /*Streptomyces rimosus*, base composition 395.
Strongylocentrotus, repetitive sequence, evolution 6226.
Strongylocentrotus purpuratus, polymorphism 2659.
Strongylocentrotus purpuratus, repetitive sequence, RNA transcription 1456.
structure, binding-cis-Odichlorodiammine platinum (II), effects on 6958.
structure, *Escherichia coli* chromosomes, radiation (ionizing), effects on 6202.
structure, models 368.
structure, phage T7/phage P22/phage ϕ Cd-1, models 4317.
structure, prediction, nucleosides derivatives stereochemistry 3087.
structure, solution 3086.
structure, *Tetrahymena pyriformis* 3117.
structure analysis, hydroxyapatite chromatography (column)/ethidium bromide fluorescence 4296.
structure analysis, use-chromatography (high-pressure liquid), review 7014.
structure/function analyses, use-oligodeoxyribonucleotides 1335.
structure perturbations, single-stranded breakage, effects on 371.
structure transformation, relationship-temperature, spectroscopy (i.r.) 7007.
Stylonychia mytilus macronuclei, histones genes analysis 3116.
supercoiled, binding-nonhistone proteins, carcinoma cells, mice 2845.
superhelical, phage λ , role-recombination 476.
superhelical, phage PM2, digestion-phosphodiesterase 1144.
superhelical, plasmids ColE1, psoralen + light induced cross-linking/relaxation 3669.
superhelical, stress-induced local denaturation 7017.
superhelical closed circular, secondary structure, probes, use-*Alteromonas espejiana* deoxyribonuclease 3888.
superhelical/single-stranded, interaction, catalysis-*Escherichia coli* recA gene proteins 4885.
superhelix, stability 3697.
superhelix formation, thermodynamics 3699.
superhelix number, statistics 979.
SV40, association-calf thymus/CHO cells/sea urchins cells histones, formation-nucleosomes 634.
SV40, binding-benzo(a)pyrene diol epoxide, bases specificity 3066.
SV40, cleavage, restriction endonuclease, mapping 388.
SV40, DNA nucleotidyltransferase 3'-terminus labelling, adjacent nucleotide sequence, effects on 4511.
SV40, hosts-substituted DNA variants, transcription 4193.
SV40, identification-small t antigen regions coding sequence 2158.
SV40, infection, interference-heterologous DNA 3846.
SV40, infection-monkeys cells, recombination frequency 6361.
SV40, integration, infection-monkeys cells 1689.
SV40, integration-micehuman somatic cells hybrids 2760.
SV40, late strands, transcription-RNA polymerase 3895.
SV40, persistence/recombination, CV1 cells 7224.
SV40, phage P1 restriction endonuclease cleavage/methylation sites 4482.
SV40, recombinants joints, nucleotide sequence 3750.
SV40, replication/conformation, cytidine (5-aza), effects on 4646.
SV40, replication-CV1 cells 4391.
SV40, replication origin, localization 389.
SV40, replication origin containing fragments, nucleotide sequence 3749.
SV40, replication-permissive cells, kidney, hamsters, mitomycin C/radiation (γ), effects on 7120.
SV40, sensitivity-phage T4 endonuclease V, radiation (u.v.), effects on 6286.
SV40, supercoiling, requirement-*Xenopus laevis* oocytes factors 1306.
SV40, transcription initiation following infection 3582.
SV40, transcription/translation-tumours antigens/capsid protein, *Xenopus laevis* oocytes 3211.
SV40, transcription-*Xenopus* oocytes, role-RNA polymerase II 6279.
SV40 antigen T deletion mutant, nucleotide sequence analysis 5506.
SV40 deletion mutant, nucleotide sequence analysis 3752, 5504.
SV40 deletion mutant, mRNA 16S leaders sequence-containing, construction/analysis 6194.
SV40 minichromosomes, transcription-RNA polymerase, calf thymus/*Escherichia coli* 6825.
SV40 temperature-sensitive mutant, restriction endonuclease cleavage patterns 2634.
synthesis, angiotensin structural gene, fragments ligation, DNA ligase 2037.
synthesis, angiotensin structural gene, sequence analysis 2036.
synthesis, angiotensin structural gene fragments 2029, 2031, 2032, 2033, 2034, 2035.
synthesis, avian myeloblastosis virus DNA polymerase + associated ribonuclease H 7364.
synthesis, protecting groups removal, role-neighbouring groups 4661.
synthetic oligonucleotides, X-ray crystallography 4064.
Syrian hamsters embryos cells, binding-7,12-dimethylbenz(a)anthracene/5-fluoro-7,12-dimethylbenz(a)anthracene, comparison 6977.
tannin-containing plants, isolation 332.
terbium complex, fluorescence 1930.
terbium fluorescence, reaction-guanines 847.
termini, Epstein-Barr virus, detection-repeated sequence 6178.
5'-terminus, oligonucleotides addition, phage T4 RNA ligase 3928.
5'-terminus complex-proteins, adenovirus, assays 5243.
testis, *Locusta migratoria* /*Acridia exaltata*, quantitation 6938.
testis/liver, rats, binding-hedamycin 339, 592.
Tetrahymena pyriformis macronuclei, characterization 1037.
Tetrahymena pyriformis mitochondria, rRNA gene organization 2651.
Tetrahymena pyriformis mitochondria, rRNA gene sequence/position 2652.
Tetrahymena thermophila, characterization, comparison-micronuclei/macronuclei 4977.
Thermoplasma acidophilum, associated histones-like proteins, role 2243.
thymidine (5',6'-dihydroxydihydro) production, heat pretreatment, cells, effects on 6999.
thymidine incorporation, brain, rats, electric shock, effects on

DNA,(continued)

3179.
thymidine incorporation, DNA-suppressing factor, effects on 464.
thymus, cattle, stimulation-poly (ADP-ribose) polymerase 6340.
thymus, rats, cleavage *Serratia marcescens* endonuclease 2183.
thymus, rats, reassociation kinetics assessment, methodology 6125.
thymus/bone marrow, rats, degradation-radiation (X) 6994.
Ti plasmid, *Agrobacterium tumefaciens*, mutants, identification/restriction endonuclease mapping 4933.
Ti plasmid, homologous sequence, role-oncogenicity 2749.
Ti plasmid, nucleotide sequence homology, role-oncogenicity 7029.
Ti plasmid, occurrence-plants tumours 3207.
Tipula paludosa baculovirus, characterization 7044.
dTMP-enriched, production/expression, *Bacillus subtilis* phage SP15 1643.
tra gene-carrying phage λ , characterization 3712.
transcription, adenovirus (human) 5, transformed cell lines 1979.
transcription, assays 259.
transcription, embryos cell lines, mice, uridine (5-iododeoxy), effects on 6878.
transcription, *Neurospora crassa* mutants 2166.
transcription, phage gh-1-infected *Pseudomonas putida* 6001.
transcription, SV40-infected monkeys cells, regulation models 6826.
transcription activity, *Zea mays* /*Tulipa kaufmanniana*, during differentiation, parenchyma cells 300.
transcription complex, electron microscopy, SV40 infected kidney cells, mice 3944.
transcription-endogenous RNA polymerase, liver nucleoplasm, rats 4187.
transfection, phage ϕ , fate-*Bacillus subtilis* 2750.
transfer, *Agrobacterium tumefaciens* Ti plasmid, review 5714.
transfer/expression, *Agrobacterium tumefaciens* - transformed plant cells 1132.
transformation, *Bacillus subtilis*, mutagenesis 1134.
transformation, *Streptococcus pneumoniae* /*Streptococcus sanguis*, enhancement-proteinases 1680.
transformation ability, *Streptococcus sanguis*, nascent RNA removal, effects on 7226.
transformation-*Neurospora crassa* 2165.
transforming, *Haemophilus influenzae*, inactivation-proflavine 4271.
transforming DNA, adenovirus (human), characterization 4320.
triple-stranded, formation, phage T4 DNA ligase 1749.
Triticum durum /*Secale cereale* /*Triticale*, genomes complexity, comparison 7104.
Triticum /*Secale*, sequence organization 1059.
Trypanosoma cruzi kinetoplasts, characterization 1038.
Trypanosoma equiperdum kinetoplasts, characterization 4348.
tumours ascitic fluid, characterization 2674.
turnover, *Escherichia coli*, effects on DNA repair, radiation (u.v.) induced damage 5548.
ultrasonics 4921.
unwinding, role-nonhistone proteins high mobility group, calf thymus 7422.
unwinding-fluorescein mercuric acetate, pH/sodium concentration, effects on 7011.
uptake, protoplasts, plants 473.
uptake, specificity, *Neisseria gonorrhoeae* transformation 4460.
uracil (5-bromo)-containing, phage T4, radiation (u.v.), effects on 6993.
uracil (bromodeoxy) distribution, embryo cells, rats, relationship-chromatin nucleoproteins organization 3958.
uracil-containing, replication, relationship-*Bacillus subtilis* DNA polymerase III 3264.
uracil-containing/methylated, reaction-DNA glycosylase, human lymphoblastoid cells 7391.
uracil incorporation/excision, *Escherichia coli* uridinetriphosphatase/uracil-DNA glycosylase mutants 4397.
Ureaplasma urealyticum, base composition 2637.
uridine (5-bromodeoxy)-containing, phage λ , restriction endonuclease digestion 3236.
uridine (5-bromodeoxy)-substituted, affinity-oestrogen receptor, uterus, rabbits 1801.
uridine (bromodeoxy)-substituted, *Allium cepa* cells, radiation, cell cycle mapping 6046.
uridine (bromodeoxy)-substituted, chromatin, CHO cells, radiation (u.v.) fractionation 5212.
uridine (5-bromodeoxy)-substituted, *Pisum sativum*, induction-phenylalanine ammonia-lyase/pisatin 6609.
uridine (5-bromodeoxy)-substituted regions, distribution, determination, methodology 3694.
uridine (5-halo) substituted, interaction-oestrogen receptors 5470.
uridine (halodeoxy)-substituted, Syrian hamsters cells, actinomycin D binding enhancement 5522.
vaccinia virus, cross-linking during replication 5023.
vaccinia virus, length heterogeneity, cloning, effects on 2636.
vaccinia virus, replication-monkeys cells, nuclei inactivation, effects on 5022.
vaccinia virus, structure, inverted terminal repetition, electron microscopy 1017.
vaccinia virus, transcription, characterization 898.
vaccinia virus, transcription in vivo 6827.
vaccinia virus/fowlpox virus/juncopox virus, characterization/molecular weight determination 1016.
vaccinia virus/rabbit poxvirus, termini inverted repeats 1015.
Vandeleuria oleracea C-type virus, characterization 4324.
vectors, construction, use-phages x ColE1 hybrids 3855.
very fast sedimenting DNA, phage T4, formation-infected *Escherichia coli*, genes control 4389.
Vicia faba, restriction endonuclease analysis 6261.
viruses, nucleotide sequence analysis, human tumours, methodology, review 3361.
viruses, photoinactivation-chlorpromazine 4283.
viruses-related, detection-human leukaemia cells 6943.
viruses-specific sequence, cross-linking, antiviral activity 7042.
visna virus, biosynthesis/structure 4392.
V79 cells, bleomycin-metals complexes, effects on 338.
water sorption, n.m.r. 4918.
water sorption, spectroscopy (i.r.) 4920.
xeroderma pigmentosum lymphoblastoid cell lines, N-methyl-N'-nitro-N-nitrosoguanidine induced guanine (O⁶-methyl), excision selectivity 5562.
yeasts mitochondria, mapping, cytochrome c oxidase subunits defective mutant 4353.
yeasts mitochondria, review 5249.
Zajdela hepatoma, interaction-dexamethasone-receptors complex 5683.
Zajdela hepatoma, reassociation kinetics 4368.
Zea mays x *Zea perennis* progeny, maternal inheritance 7236.
DNA (cytosine-5-)-methyltransferase, *Bacillus amyloliquefaciens* /*Bacillus brevis*, sequence

DNA (cytosine-5)-methyltransferase.(continued)

- specificity 1225.
Bacillus sphaericus, purification/characterization 1714.
Escherichia coli, purification/characterization 3927, 5167, 6448.
inhibition-polyamines in vitro 5166.
DNA-binding protein,
association-*Escherichia coli* ribosomal subunit 30S 1292.
Bacillus subtilis, isolation/properties, inhibition-deoxyribonuclease 6525.
chromatin, human embryos lung cells, cytomegalovirus-induced, characterization 7464.
Cylindrotheca fusiformis, biosynthesis during silicate starvation 531.
defective mutant, *Escherichia coli*, DNA replication 5234.
deoxyribonuclease inhibitors, KB cells, purification/characterization 5239.
detection, methodology 2774.
DNA conformations, effects on, review 6545.
Escherichia coli, characterization 5235.
Escherichia coli, interaction-single-stranded DNA, fluorescence 2269.
Escherichia coli, purification, methodology 5676.
Escherichia coli ribosomes-associated, amino-acid sequence 6526.
fibroblasts, chickens, characterization, age, effects on 1795.
gene 5, complex-DNA, n.m.r. 2230.
human fibroblasts/HeLa cells, isolation/characterization 3337.
human serum, characterization 646.
human serum, specificity 6529.
identification-cytomegalovirus early antigen 7459.
interaction-DNA polymerase α 647.
mammary tumour virus, purification/characterization 2268.
nonhistone proteins, human psoriasis, characterization 3336.
phage SPO1, effects on promoters competition 4559.
phage T4, regulation-gene 32 mRNA translation 3981.
phage T5 D5 gene products, characterization 2873.
Physarum polycephalum, phosphorylation during cell cycle 7461.
progesterone receptors subunits, oviduct, chickens, purification/characterization 5237.
proteins, characterization 3983.
psoriasis, characterization, identification-nonhistone proteins 1294.
regulation-RNA biosynthesis, adenovirus (human) 5 temperature-sensitive mutant 3607.
mRNA precursors, adenovirus (human) 2, splicing patterns 5372.
Rous sarcoma virus/avian myeloblastosis virus, endodeoxyribonuclease activity 1289.
single-stranded DNA, rats cell lines, biosynthesis following transformation-Rous sarcoma virus 7465.
structure, phage T4, DNA/polynucleotides, effects on 1286.
Ustilago maydis, purification/characterization 4560.
DNA biosynthesis,
Acrididae testis, autoradiography 3141.
adenovirus (human) 2, infected HeLa cells/CHO cells, aphidicolin, effects on 7132.
adenovirus (human) 2, role-DNA polymerase α /DNA polymerase γ 3916.
Aeshna cyanea larvae, α -ecdysone/ β -ecdysone, effects on 5024.
Agrobacterium tumefaciens, *Agrobacterium radiobacter* agrocin 84, effects on 5028.
Allium cepa roots, *Zephyranthes robusta* extracts/
haemanthamine/lycorine, effects on 7219.
Anaplasma marginale, erythrocytes culture, cattle 2096.
Anguilla anguilla, during seawater adaptations 5058.
animal cells, tick-borne encephalitis virus, effects on 4557.
ascites cells, purine (9- β -ribofuranosyl), effects on 280.
ascites sarcoma cells, mice, detergent, effects on 443.
ascites tumour cells, mice, bleomycin, effects on 3816.
Aspergillus niger, during conidia development 4215.
association-differentiation, Purkinje cells, cerebellum, embryos, chickens 1670.
association-*Escherichia coli* lipopolysaccharides immune response 2735.
ATP-independent, vaccinia virus infected L cells 1648.
avian myeloblastosis virus, transformed cells, actinomycin D/daunomycin, effects on 2107.
Bacillus rossius endonuclear bodies 421.
Bacillus stearothermophilus 2679.
Bacillus subtilis 1062.
Bacillus subtilis, role-spore outgrowth 1636.
Bacillus subtilis, stimulation-deoxyribonuclease 5616.
Bacillus subtilis phages-infected toluene-treated minicells 426.
Bacillus thuringiensis, inhibition-aflatoxin B1 4414.
BALB/c3T3 cells, magnesium, effects on 7208.
BHK cells, inhibition-western equine encephalitis virus infection, mechanisms 4503.
BHK cells, role-DNA polymerase α /DNA polymerase β , comparison 7375.
BHK cells temperature-sensitive mutant 2260.
BHK-21 cells, amino acids deprivation, effects on 5576.
BHK-21 cells, nuclei, drugs, effects on, comparison-DNA polymerase α /DNA polymerase β catalysis 4426.
BHK-21 cells nuclei, requirements 4379.
bladder tumours, human, uracil (5-fluoro)/mitomycin C/cyclophosphamide, effects on 1110.
Blepharisma intermedium, metepa, effects on 6291.
Bombyx mori larvae, midgut, ecdysterone, effects on 3586.
Bombyx mori silk gland 5571.
Bombyx mori silk gland, juvenile hormone analogues, effects on 2105.
Bombyx mori silk gland, role-thymidine uptake, rates 713.
bone marrow, high-dose methotrexate + leucovorin effects on, osteogenic sarcoma 460.
brain, rats, perinatal methadone, effects on 3835.
calf thymus DNA polymerase α /DNA polymerase β , in vitro, dUTP incorporation 4506.
Calliphora erythrocephala wing discs 6263.
Candida albicans, inhibition-cytosine (5-fluoro) 5736.
capacity, *Treponema pallidum*, DNA polymerase/thymidine kinase activity 3913.
cell culture/mengovirus, N-methyl-N-nitrosourea, effects on 3594.
cells, inhibition-nitroheterocycles 7175.
Cercopithecus aethiops kidney cells, smog extracts, effects on 3180.
cerebellum, temperature/handling stressed rats 1673.
Chaetopterus /Acetabularia, α -methylornithine, effects on 5570.
Chinese hamsters cells, inhibition-cis-platinum diamminedichloride (II), mechanisms 4407.
Chironomus plumosus chromosomes, hibernation 1097.
Chlorella pyrenoidosa, intermediates, characterization 6262.
CHO cells, ethidium bromide, effects on, relationship-superhelical structure 7210.
CHO cells, hyperthermia, effects on 7209.
CHO cells, novobiocin, effects on, relationship-superhelical structure 7211.
CHO cells temperature-sensitive mutant 4427.

DNA biosynthesis,(continued)

- CHO cells/V-79 cells, caffeine/adenine-treated, radiation (X), effects on 2118.
- chromatin, neurons/glia cells/liver nuclei, guinea-pigs 6265.
- chromosomes, *Drosophila hydei*, puromycin, effects on 7198.
- chromosomes, *Hemicentrotus pulcherrimus* embryos cleavage, role-DNA polymerase α 2800.
- circadian rhythms, bone marrow/alimentary canal/cornea epithelium, mice 2132.
- circadian rhythms, ehrlich ascites tumour cells/normal cells, isoproterenol, effects on 3842.
- circadian rhythms, normal/Lewis lung carcinoma-bearing mice 3825.
- clones, cell lines, mice, induction-adenovirus (bovine) 3, temperature effects 1070.
- Clostridium perfringens*, inhibition-piperazines 1668.
- colon, rats, secretin, effects on 4393.
- colon organ culture, rabbits, 1,2-dimethylhydrazine/methylazoxymethanol acetate, effects on 2138.
- complementary, equine infectious anaemia virus 4388.
- complementary, Rous sarcoma virus genomes 6277.
- complementary, Sindbis virus, use-avian myeloblastosis virus DNA polymerase (RNA-dependent) 546.
- corneal endothelium, frogs/rats, freeze injury, effects on 451.
- Corylus avellana* protoplasts, characterization 1111.
- cycles, *Bombyx mori* silk gland nuclei 6323.
- cycles, duration, *Bombyx mori* silk gland 2685.
- cycles, *Tetrahymena paravorax*, relationship-dimorphism 5056.
- defective, herpes simplex virus 1 temperature-sensitive mutant 2127.
- Dictyostelium discoideum* 2682.
- diurnal variations, lung cells, mice 5017.
- DNA complex, membranes, *Escherichia coli*, products characterization 5569.
- dorsal roots ganglia, rats, hydroxyurea, effects on 6328.
- double-stranded, Moloney sarcoma virus, products characterization 7115.
- double-stranded, use-Kilham rat virus single-stranded templates 386.
- Drosophila melanogaster* imaginal discs cells, inhibitors, effects on 7197.
- Dunaliella bioculata*, cell cycle 1066.
- during metamorphosis, *Discoglossus pictus* /*Alytes obstetricans* 2687.
- early, *Triticum aestivum* embryos, characterization 1633.
- ectromelia virus, hepatocytes, mice, thymidine (trifluoro) + asialofetuin, effects on 7111.
- effects on leukaemia (chronic lymphatic) lymphocytes B, mitogens, effects on 3192.
- Ehrlich ascites tumour cells, eupahyssopin, effects on 1663.
- Ehrlich ascites tumour cells, lasers radiation, effects on 7168.
- Ehrlich ascites tumour cells, pyrimidine (1,3,4-thiadiazolo[3,2a]), effects on 6884.
- Ehrlich ascites tumour cells, regulation-quercetin 3838.
- Ehrlich ascites tumour cells, sodium/potassium concentration, effects on 4712.
- Ehrlich ascites tumour cells, sulphated polysaccharides, effects on 2144.
- embryo cells, hamsters, uridine (5-bromodeoxy) + radiation (u.v.), effects on 7162.
- embryo fibroblasts, human/mice, stimulation-radiation (u.v.)-treated cytomegalovirus 2696.
- embryos, mice, hydroxyurea, effects on 2727.
- embryos, mice, inhibition-cytosine arabinoside 2728.
- embryos, mice, interferon, effects on 5061.
- epidermis, mice, radiation (u.v.), effects on 6294.
- epidermis, mice, relationship-subepidermal immunoglobulins deposits 5184.
- erythrocytes, pigeons during anaemia 2131.
- Escherichia coli*, bilharcid/tartar emetic, effects on 2721.
- Escherichia coli*, cell division 2264.
- Escherichia coli*, DNA polymerase I, methylation dependence 3795.
- Escherichia coli*, during glycerol-induced bacteriostasis 4415.
- Escherichia coli*, inhibition carcinogens 1669.
- Escherichia coli*, inhibition-griseolysin 3152.
- Escherichia coli*, inhibition-phenylmercuric borate 2722.
- Escherichia coli*, Okazaki fragments, characterization 7190.
- Escherichia coli*, phage T-even infection, effects on, review 6549.
- Escherichia coli*, relationship-ribonucleoside diphosphate reductase biosynthesis regulation 572.
- Escherichia coli*, relationship-thymine starvation-induced mutagenesis 3177.
- Escherichia coli*, role dnaA gene 2680.
- Escherichia coli* dnaA mutant, radiation (u.v.), effects on 5030.
- Escherichia coli* /HeLa cells/lymphoblastoma cells, neothramycin, effects on 5035.
- Escherichia coli* nrdA mutant, relationship-nucleotide triphosphates pools 5014.
- Escherichia coli* temperature-sensitive mutant 4416.
- Escherichia coli* temperature-sensitive mutant, characterization 5568.
- Escherichia coli* temperature-sensitive mutant 6319.
- eukaryotes, cells, inhibition-disulfiram 545.
- feline syncytium-forming virus proviruses, integration-hosts cells genome 2104.
- fibroblasts, cell culture, stimulation-human milk 2139.
- fibroblasts, human, stimulation-cattle growth hormone fragments 191.
- fibroblasts, mice, sodium fluoride, effects on 7213.
- fibroblasts, stimulation-amphotericin B 2734.
- fidelity, polynucleotides templates depurination, effects on 4411.
- following radiation (X), thymus, rats, relationship-histones/nonhistone proteins biosynthesis 3163.
- Friend erythroleukaemia cells, differentiation, relationship-histones biosynthesis 2691.
- fundic mucosa, dogs, effects on, gastrin/vagus denervation 430.
- Galleria mellonella* larvae epidermis cells, relationship-pupae cuticle gene expression 5572.
- Glycine max* cells/protoplasts, exponential/uridine (fluorodeoxy) synchronized cultures, comparison 2738.
- Gomphosphaeria aponina*, salinity effects 4420.
- Guerin tumour, inhibition-radiation, hypothermia, effects on 4433.
- G1 phase, BHK cells 1760.
- Haemophilus influenzae*, association-competence 1095.
- Haplosporidium parvum*, penicillin G, effects on 6020.
- heart, rats/mice, doxorubicin, effects on 2117.
- HeLa cells, aphidicolin, effects on 5049.
- HeLa cells, cis-platinum diamminedichloride(II), effects on 4409.
- HeLa cells, radiation (γ), effects on 1661.
- HeLa cells/lung cells, trisodium phosphonofomate, effects on 3186.
- HeLa cells nuclei, role-DNA polymerase α /DNA polymerase β /DNA polymerase γ 5637.
- herpes simplex virus, cell-free system, polyamines, effects on 2719.
- herpes simplex virus, chromatin, infected BHK21/C13 nuclei

DNA biosynthesis,(continued)

1644.
herpes simplex virus, chromatin, infected kidney cells, monkeys 6273.
herpes simplex virus, infected BHK cells, role-poly (ADP-ribose) biosynthesis 5541.
herpes simplex virus/non-infected hosts, inhibition-adenine arabinoside 7113.
herpes simplex virus transformed lymphoblastoid cell lines, inhibition-insulin 3806.
herpes simplex virus 1, prednisolone/hydrocortisone/dexamethasone/progesterone, effects on 1072.
herpes simplex virus 1 temperature-sensitive mutant-infected BHK-21 cells 1071.
high molecular weight, adenovirus (human) 2 temperature-sensitive mutant infected KB cells 6269.
hosts, inhibition-herpes simplex virus, genes, control 3608.
human, psoriasis/normal epidermis 462.
human alveolar tumour cells, harman, effects on 5052.
human benign breast tumours, insulin/somatotropin/human placental lactogen, effects on 431.
human bone marrow cells, systemic lupus erythematosus lymphocytes, effects on 3181.
human breast tumours, athymic nude mice, human placental lactogen, effects on 1093.
human diploids cells, during senescence 7215.
human embryo fibroblasts, stimulation-herpes simplex virus 2, mechanisms 2698.
human fibroblasts, inhibition-methotrexate polyglutamates derivatives accumulation 3839.
human fibroblasts, stimulation-epidermal growth factor, mechanisms 3145.
human fibroblasts-like cells, amino acids analogues/mitomycin C injury, effects on 5560.
human leucocytes (mononuclear) subpopulations, yellow fever virus vaccination 3183.
human lymphoblastic cells, adriamycin derivatives, effects on 6963.
human lymphocytes, α -difluoromethylornithine/methylglyoxal bis(guanyldiazotane), effects on 3187.
human lymphocytes, inhibition-macrophages immunosuppressive factor 2135, 2136.
human lymphocytes, stimulation-*Autographa californica* nuclear polyhedrosis virus antigens 3840.
human lymphocytes, stimulation-*Escherichia coli* lipopolysaccharides 2137.
human lymphocytes, stimulation-organomercurials 5577.
human/mice cells, stimulation-epidermal growth factor/insulin/12-O-tetradecanoyl phorbol-13-acetate 7126.
human mixed leucocyte culture, role DNA polymerase (RNA-dependent) 2099.
human myelocytes, relationship-size 1639.
human normal/leukaemia (chronic lymphatic) lymphocytes 1666.
human psoriasis/normal epidermis 461.
human testis adenoma/adenocarcinoma, serum, effects on 1677.
hypothalamus, rats, testosterone, effects on 5026.
in vitro, benzo(a)pyrene adducts, effects on 4394.
in vitro, fidelity, *Escherichia coli* DNA polymerase I, metals activators, effects on 4504.
in vitro, inhibition-benzo(a)pyrene diol epoxide binding-DNA 6284.
in vitro, ovary tumours, steroid hormones, effects on 2106.
in vitro, Rous sarcoma virus DNA polymerase (RNA-dependent) 2806.
in vivo determination, use-uridine (5-bromodeoxy), methodology 419.
inducers, Chinese hamsters lung cells, relationship-cell cycle 422.
induction, hepatectomy, liver, rats 2729.
induction-bleomycin, nuclei, liver, rats, age, effects on 3818.
induction-vaccinia virus infection, HeLa cells, characterization 3108.
inhibition, effects on histones biosynthesis 2242.
inhibition, specificity, 3T3 cells extracts 2736.
inhibition-Herpesvirus papio superinfection, Epstein-Barr virus-carrying cell lines 4387.
inhibition-hydroxyurea/cytosine arabinoside/uridine (5-fluorodeoxy), relationship-human chorionic gonadotropin biosynthesis stimulation, choriocarcinoma cells 6315.
inhibition-immunosuppressor, spleen 458, 1674.
inhibition-4-nitroquinoline 1-oxide/doxorubicin/ethyleneimine, mechanisms 3146.
inhibition-sporamycin, mice 5043.
inhibitors, lymphocytes, characterization 3190.
inhibitors, mechanisms, review 2280.
initiation, adenovirus (human) 12, gene 401 function, requirement 4382.
initiation, avian myeloblastosis virus, oligo (dC) binding sites mapping 4373.
initiation, fibroblasts, mice, stimulation-prostaglandins/growth factors 6282.
initiation, HeLa cells 2692.
initiation, phase f1 replicative form DNA strands 3793.
initiation, SV40 temperature-sensitive mutant transformed Chinese hamster embryo cells, role-A gene 1104.
initiation-RNA, review 2902.
insects, review 3356.
intestine, rats, calcium ethylenediaminetetraacetic acid, effects on 1101.
isoproterenol-induced, tissues, mice, β -aminopropionitrile, effects on 7202.
kidney/embryo cells, hamsters, smog, effects on 7214.
kinetics, hepatoma/normal liver, rats/mice 444.
Kluyveromyces lactis permeabilized cells 1637.
L cells, inhibition-nitroheterocycles, mechanisms 7176.
lectins-treated thymocytes, interferon, effects on 2142.
Lemna minor, atrazine, effects on 3193.
leukaemia cells, mice/human lymphocytes, adenosine (5-deoxy-5-S-isobutyl), effects on 5069.
Lilium longiflorum chromosomes during meiosis, electron microscopy + autoradiography 7221.
liver, Ehrlich ascites carcinoma-bearing mice 5565.
liver, embryos, chickens, poly (ADP-ribose) formation, effects on 4421.
liver, rats, antihepatotoxic serum/carbon tetrachloride, effects on 449.
liver, rats, *Corynebacterium parvum*, effects on 5574.
liver, rats, cycloheximide, effects on 1672.
liver, rats, double partial hepatectomy, effects on 3834.
liver, rats, effects on, eserine 456.
liver, rats, eserine, effects on 5573.
liver, rats, glucocorticoids/stress, effects on 429.
liver, rats, hormones stimulation 6281.
liver, rats, refeeding following glucose/fructose diets, effects on 2731.
liver, rats, serum transferrin, effects on 7206.
liver, rats, stimulation following cycloheximide treatment 6499.
lung cells, rabbits/human embryos, induction-cytomegalovirus temperature-sensitive mutant 4386.
Lygodium japonicum, spores germination 1067.
lymphoblastoma cells, mice, aurofin-induced strands

DNA biosynthesis,(continued)

- breaks 7182.
- lymphocytes, guinea-pigs, amino acids, effects on 3188.
- lymphocytes, guinea-pigs, inhibition-histidinol 7199.
- lymphocytes, induction-concanavalin A, kinetics 1107.
- lymphocytes, induction-*Neisseria gonorrhoeae*, Reiter's disease 3841.
- lymphocytes, inhibition-methyl acetimidate/dimethyladipate 4429.
- lymphocytes, inhibition-thymus extracts 5067.
- lymphocytes, iron-deficiency anaemia, iron, effects on 5578.
- lymphocytes, nucleic, polyamines depletion, effects on 1108.
- lymphocytes, psychotropic drugs, effects on 7217.
- lymphocytes cell culture, inhibition-psychotropic drugs 5068.
- lymphocytes T, bone marrow cells factors, effect on 3837.
- lymphoma/myeloma cells, mice, thymidine, effects on 4434.
- L1210 cells, 1,3-bis(2-chloroethyl)-1-nitrosourea, effects on 5561.
- macrophages, levamisole, effects on 4431.
- macrophages, mice, foreign-body tumourigenesis 2124.
- mammary gland, mice, *Nocardia rubra* cell walls skeleton, effects on 2724.
- mammary gland epithelial cells, rats, plating density/hormones/serum, effects on 2140.
- man chromosomes, abnormal-cell culture 2098.
- melanoma cells, prostaglandins, effects on 6283.
- mice, oestrogen/pituitary grafts, effects on 428, 1650.
- mice, spleen, radioprotective agents, effects on 3833.
- mice, tissue-specific inhibition-adhesive factors 1098.
- microsomes, liver, mice, carcinogens, effects on 5045.
- mitochondria, brain, rats 2688.
- mitochondria, brain regions, rats, during development 6327.
- mitochondria, human cells, ethidium bromide, effects on 3182.
- mitochondria, liver, mice, inhibition-aflatoxin B1/dimethylnitrosamine 3831.
- mitochondria, *Paracentrotus lividus* eggs, removal-cells nuclei, effects on 5059.
- mitochondria, *Saccharomyces cerevisiae* tpi mutant 4419.
- mitochondria, *Xenopus laevis* oocytes 5536.
- mitogen-induced, pigs, purified protein derivative/indomethacin, effects on 1103.
- mitogen-stimulated lymphocytes, ethionine, effects on 1106.
- mitogens-induced, lymphocytes, role-viruses infection/replication 4430.
- mitogens-induced, lymphoid cells, rabbits, nucleotides (cyclic)/isoprenaline/cholera toxin, effects on 1671.
- Moloney leukaemia virus, mechanisms 4375.
- Moloney leukaemia virus, tRNA Pro interaction-genomes RNA 7116.
- Mullerian ducts, embryos, chickens, radiation (X), effects on 1658.
- myoblasts, heart muscles, rats, activity during differentiation 6326.
- myocytes, rats, during differentiation 4224.
- myotubes, embryos, chickens, induction-Rous sarcoma virus src gene activation 1646.
- Naegleria gruberi*, differentiation, effects on 2097.
- neurons/synaptosomes, brain, rats, role-DNA polymerase γ 5638.
- Neurospora crassa* conidia 3797.
- normal bone marrow/small intestine epithelium cells/melanoma cells, mice, N-alkyl-N-nitrosoureas, effects on 6293.
- Notophthalmus viridescens* blastemata, stimulation-insulin, association-nerve function 427.
- Novikoff hepatoma ascites cells, inhibition-macromycin 6102.
- Novikoff hepatoma cells, inhibition-soluble factors 6317.
- Novikoff hepatoma cells, stimulation-dimethyl sulphoxide 466.
- Novikoff hepatoma/normal liver cells, magnesium/calcium, effects on 2730.
- nuclei, Ehrlich ascites tumour cells, heparin, effects on 7185.
- nuclei, erythrocytes, chickens, reactivation, mice L929 cells cytoplasts, association-cell cycle 2732.
- oestrogen-induced pituitary tumours, rats 2126.
- Oryza sativa* seeds, during germination, diethylsulphate induced mutations 3843.
- pancreas, rats, regulation-glucocorticoids 7123, 7124.
- Panulirus longipes*, β -ecdysone, effects on 3585.
- Paracentrotus lividus*, trypsin, effects on 5199.
- Paramécie caudatum* cells, control 7192.
- patterns, *Chlamydomonas reinhardtii*, cell cycle 420.
- patterns, chromosomes, human fibroblasts 2690.
- Paulownia tomentosa* seeds, during dormancy/light stimulation 3194.
- phage ϕ C, *Escherichia coli* dna mutant 1977.
- phage ϕ X174, *Escherichia coli* dna mutant 6268.
- phage ϕ X174, primer biosynthesis 424.
- phage ϕ X174 H gene mutants, infected *Escherichia coli* 3800.
- phage P22, inhibition-spermidine, *Salmonella typhimurium* infection 1642.
- phage SPP1, analysis 4381.
- phage T4, role-dCMP hydroxymethyltransferase 2095.
- phospholipids, effects on 3951.
- Physarum polycephalum*, S phase/G2 phase, size distribution/maturation 2683.
- phytohaemagglutinin-activated lymphocytes, inhibition-high pressure oxygen 7216.
- phytohaemagglutinin-stimulated human lymphocytes, sterols, effects on 5066.
- phytohaemagglutinin-stimulated lymphocytes, measurement 6332.
- Pinus pinea* seeds, indoleacetic acid/gibberellic acid/kinetin/steroid hormones, effects on 1986.
- pituitary, rats, oestradiol, effects on 7125.
- pituitary, rats, stimulation-oestrogen, nafoxidine, effects on 1651.
- Platichthys flesus*, 17β -oestradiol, effects on 6280.
- poly d(C-G) methylation products templates, coding 5815.
- polyoma virus-infected 3T6 cells nuclei, mice 6276.
- polyoma virus-transformed rats cells, non-integrated sequence replication 7118.
- Portulaca oleraceae* seeds, light, effects on 3472.
- preservation, HeLa cells, during low temperature storage, use-glycerol 4428.
- prostate, rats, cyproterone acetate, effects on 5409.
- proteins-nucleotides recognition, mechanisms 7186.
- Pseudococcus obscurus* chromosomes, euchromatin/heterochromatin 2686.
- rabbits colon, antibiotics, in vitro effects on 1087.
- radiation (u.v.)/carcinogens-treated phage ϕ X174, inhibition sites 6285.
- radiation-treated *Escherichia coli*, role-membranes 5013.
- rate, during cell cycle, *Saccharomyces cerevisiae* 1065.
- rates, correlation-nuclei morphology, Chinese hamsters fibroblasts 5064.
- rates, HeLa cells S phase 1640.
- rates, thymocytes, rats, high altitude adaptation, effects on 4423.
- rats, carbon tetrachloride, damage 5575.
- rats, liver, *Serratia marcescens* prodigiosan, effects on 453.
- rats, regenerating liver, inhibition-AMP (cyclic) 2133.

DNA biosynthesis,(continued)

- recombination, during conjugation, *Escherichia coli* 4459.
 recovery, following radiation (u.v.), xeroderma pigmentosum cells, role-DNA repair, excision 7154.
 regenerating liver 5018.
 regenerating liver, rats, age, effects on 457.
 regenerating liver, rats, polyamines metabolism, effects on 4425.
 regulation, adrenocortical cells, cattle 6329.
 regulation, *Vaccaria pyramidata* seeds 6333.
 regulation-multiplication-stimulating activity, embryo fibroblasts, chickens, role-polyamines 2699.
 relationship-cell division, *Torenia fournieri*, during buds formation 3195.
Rhodopseudomonas spaeroides, ethidium bromide, effects on 4417.
 role-croton oil enhancement-N-methyl-N'-nitro-N-nitrosoguanidine induction-skin tumours, mice 3832.
 role-parametric self-excitation 418.
 role-uridine (bromodeoxy) induction-alkaline phosphatase, HeLa cells 5065.
 Rous sarcoma virus, infected chickens cells, kinetics 3143.
 RSa cells, inhibition-interferon, human leucocytes 1109.
Saccharomyces cerevisiae, association-cell cycle 1064.
Saccharomyces cerevisiae, inhibition-basic amino acids 1083.
Saccharomyces cerevisiae, mechanisms 2684.
Saccharomyces cerevisiae cell cycle mutants 3178.
Saccharomyces cerevisiae cell division mutants 3828.
Salmonella typhimurium DNA-defective mutant, control-phage P22 transduction particles 5543.
Schistosoma mansoni, hycanthone, effects on 2129.
 scleroderma, human 3836.
 sea urchins eggs, artificial activation, effects on 5060.
 single-stranded DNA release, cytosine arabinoside, effects on 1851.
 skin, review 3351.
 sodium pyruvate-induced, effects on calcium distribution, hepatoma cells 1678.
 spleen, Ehrlich ascites tumour-bearing mice 2125.
 spleen cell culture, mice, stimulation-immunoglobulins Fc fragments 3191.
 spleen lymphocytes/bone marrow cells, rats, polyanions, effects on 7204.
Spongilla carteri cells, aggregation, effects on 7196.
 spontaneous/phytohaemagglutinin-induced, spleen cells, rats, inflammation exudates, effects on 5062.
 spontaneous/urethan-induced lung tumours, mice, caffeine, effects on 442.
Staphylococcus aureus, inhibition-gentamicin C 3155.
 stimulating factors, characterization, HeLa cells 1105.
 stimulation-leukaemia myeloblasts, inhibition-lymphocytes B antisera 3174.
 stimulation-pyran copolymer 1094.
 stomach mucosa, rats, atropine/vagotomy, effects on, role-gastrin 5025.
Stylonychia mytilus, uridine (5-bromodeoxy), effects on 4043.
 suppression-coal tar/dithranol, epidermal cells, skin, mice, radiation (u.v.), effects on 2708.
 SV40, CV-1 cells, radiation (u.v.), effects on 3147.
 SV40, inhibition-benzo(a)pyrene derivatives 7134.
 SV40, inhibition-camptothecin/neocarzinostatin 3803.
 SV40 induced, theophylline sensitivity, relationship-antigen T 5055.
 SV40 temperature-sensitive mutant, regulation-gene A 6278.
 SV40 temperature-sensitive mutant, stimulation-antigen T 1667.
 SV40 transformed cells, cycloheximide, effects on 4390.
 SV40 transformed WI-38 cells, inhibition-reovirus 2103.
 testis, mice, inhibition-phenoxycarboxylic acids, relationship-carcinogenesis 7157.
Tetrahymena pyriformis, control 2681.
 Thy-1 antigen-positive lymphoma, mitogens, effects on 5580.
 thymocytes, mice 5019.
 thymocytes, mice, adenosine/adenine nucleotides, effects on 712.
 thymus, rats, thermolesions, effects on 2134.
 tissues, rats, asbestos/cigarette smoke, effects on 5063.
Triticum, ontogenesis 469.
Triticum aestivum embryos during development, proteins content, effects on 4843.
Triticum seeds, use-nucleosides precursors, age, effects on 470.
Trichomonas foetus, inhibition-vermiculine 3156.
Trypanosoma cruzi, inhibition-5-nitrofurantoin, mechanisms 4830.
 tumour cell lines, rats, vitamin A, effects on 7184.
 tumour cells, macromycin, effects on 5564.
 tumours, cell lines, ascorbic acid, effects on 2143.
 3T3 cells, activation-serum proteins 2141.
 3T3 cells, inhibition-calcium deprivation, magnesium, effects on 465.
 3T3 cells, stimulation-growth factors, colchicine/Colcemid/podophyllotoxin/vinblastine, effects on 7127.
 3T3 cells stimulation-plasma, effects on 4432.
 uracil containing, deoxyuridinetriphosphatase-induction deficient phage T5 mutants, *Escherichia coli* 7384.
 uracil incorporation, man cells 1638.
 urinary bladder epithelium, mice, cyclophosphamide, effects on 2726.
 V-79 cells, radiation (X), effects on 7179.
Vibrio (NAG) /Staphylococcus aureus /Escherichia coli, tetracycline + sodium deoxycholate, effects on 6320.
 viruses, bacteria permeabilized cells 1069.
Viscum album cortical strands 2101.
 visna virus 4392.
 Walker 256 carcinosarcoma, rats/leukaemia L1210, mice, uracil(5-fluoro), effects on 689.
Xenopus laevis liver nuclei, stimulation-temperature-sensitive mammalian cells extracts 446.
 Yoshida sarcoma, nucleosomes template activity, stimulating-cellular factors 2737.
DNA glycosylase,
 DNA repair, review 4588.
 human lymphoblastoid cells, reaction-uracil-containing/methylated DNA/chromatin 7391.
 human lymphoblasts, purification/characterization 4521.
DNA gyrase,
Escherichia coli, energy coupling, novobiocin, effects on 1223.
Escherichia coli, interaction-phage T4 DNA-delay gene products/novobiocin/coumermycin 3925.
Escherichia coli, role-phage T7 DNA, replication/transcription 3926.
Escherichia coli, sites-specific DNA cleavage 6446.
Escherichia coli, subunits structure/adenosinetriphosphatase activity 3274.
 inhibition, effects on *Escherichia coli* /plasmids genes expression-cell free system 6848.
 inhibitors, inhibition-phage λ DNA repair/recombination, radiation (u.v.) 1075.
 interaction-DNA, mechanisms 1747.

DNA kinase,

nuclei, liver, rats, mechanisms 6439.

DNA ligase,

activity, deficiency-Fanconi's anaemia, human 3275.

activity, phage Mu, *Escherichia coli* mutants 5165.

activity, radiation (u.v.)-treated cells, kidney, monkeys 1748.

activity, *Saccharomyces cerevisiae* cell cycle mutants 3276.

defective mutant, *Saccharomyces cerevisiae*, DNA repair 4399.

ligation-angiotensin structural gene fragments, DNA synthesis 2037.

liver, rats, localization/characterization 7392.

low molecular weight, embryos, chickens, purification/characterization 1224.

multiple forms, thymus, chickens, during development 5645.

phage T4, formation-triple-stranded DNA 1749.

thymus, embryos, chickens, dexamethasone, effects on 6447.

DNA methylase,

Escherichia coli, fractionation/specificity 566.

guanine methylase, *Shigella sonnei* phage DDVI, specificity/function 5169.

recognition sequence, *Escherichia coli*, methylated DNA cleavage-restriction endonuclease Dpn I 5168.

role-*Bacillus subtilis* genes recombination during transformation 7268.

DNA methyltransferase,

Escherichia coli, isolation/purification, use-phosphocellulose P-11 3277.

phage T2 dam mutant, methylation-phage λ DNA in vitro 3604.

Shigella sonnei/*Shigella stutzeri*, characterization 2814.

DNA nucleotidylexotransferase,

absence-human tonsil/chickens bursa 1203.

activity, human lymphoma 5639.

assays, leukaemia (acute lymphatic), lymphoma lymphocytes 3265.

biological properties, review 4004.

calf thymus, inhibition-ATP/3'-dATP/ATP arabinoside 2803.

calf thymus, purification-chromatography (affinity) 544.

high molecular weight, lymphoblastoid cell lines, characterization 5157.

human leucocytes/bone marrow, assay 4512.

human tonsil, characterization 5158.

inhibition-rifamycin derivatives 4505.

manganese dependent inhibition-dATP, mechanisms 6432.

role-leukaemia/lymphoma diagnosis, human 1201.

simian sarcoma virus/human cells, inhibition-pyrans 1202.

spermatozoa, chickens, isolation/characterization 6431.

SV40 DNA 3'-terminus labelling, adjacent nucleotide sequence, effects on 4511.

DNA polymerase,

activity, avian myeloblastosis virus, zinc, effects on 3911.

activity, bone marrow, rats, radiation (γ), effects on 536.

activity, cattle lymphocytes, leukaemia 5149.

activity, cell culture, mice, herpes simplex virus 1 infection, effects on 1645.

activity, embryo cells, chickens, during myogenesis, DNA replication control 3261.

activity, human liver diseases, inhibition-adenine arabinoside 1732.

activity, human seminal fluid, vasectomy, effects on 4499.

activity, *Physarum polycephalum* 1734.

activity, spleen, mice, *Corynebacterium parvum*, effects on 1190.

activity, *Treponema pallidum*, DNA biosynthesis capacity

3913.

activity during growth/differentiation, roots, *Zea mays* /
Tulipa kaufmanniana 5151.

adipose tissue, rats, activity during postnatal growth 5174.

analysis, human tonsil/chickens bursa, absence-DNA nucleotidylexotransferase 1203.

avian myeloblastosis virus, + associated ribonuclease H, DNA synthesis 7364.

avian myeloblastosis virus/hepatitis B virus, plasma, assays 7366.

Bacillus subtilis, phage PBS2 induced, characterization, exonuclease activity 2370.

Bacillus subtilis, phage PBS2-induced, purification/characterization 2795.

Bacillus subtilis phage PBS-2, characterization 4501.

BHK cells, inhibition-western equine encephalitis virus infection, mechanisms 4503.

Bombyx mori, purification/characterization 3263.

Brassica oleracea, purification/characterization 7363.

calf thymus, purification/characterization 2802.

cattle spermatozoa, isolation/characterization 1194, 1195.

chromatin-bound, *Pisum sativum*, purification/characterization 3914.

Cylindrotheca fusiformis, biosynthesis during silicate starvation 531.

cytosol, liver, rats, inhibition-aphidicolin 1193.

DNA tumour virus, review 656.

Drosophila melanogaster embryos, purification/characterization 2204.

Epstein-Barr virus, purification/characterization 2794.

Epstein-Barr virus induced, characterization 3262.

fidelity assays, *Escherichia coli* cell-free system, adenosinetriphosphatase contamination, characterization 7390.

germ cells, mice, characterization 3910.

hepatitis B virus, human serum, changes during infection 7361.

hepatitis B virus Dane particles-associated, inhibition-trisodium phosphonoformate 5150.

herpes simplex virus 1/herpes simplex virus 2/pseudorabies virus/bovine rhinotracheitis virus, inhibition-trisodium phosphonoformate 2796.

human, sperm-spermatozoa antibodies 3288.

human milk, purification/characterization 7365.

human platelets, purification/characterization 6421.

human seminal fluid, inhibition-immunoglobulin G 1735.

induction, herpes simplex virus 2, HeLa cells, inhibition-2-mercapto-1-(β -4-pyridethyl)benzimidazole 2797.

kinetics analysis 6423.

levels during *Aedes aegypti* development 1192.

lung cells, rabbits/human embryos, induction-cytomegalovirus temperature-sensitive mutant 4386.

mechanisms, analysis 3912.

Micrococcus lysodeikticus, template primer activity, DNA, nuclei, liver/cerebellum, mice 535.

Moloney leukaemia virus, RNA-depend, characterization 2207.

mosquitoes, purification/characterization 534.

Neurospora crassa, purification/characterization 1197.

pancreas, rats, regulation-glucocorticoids 7123, 7124.

phage PBS2-induced, relationship-*Bacillus subtilis* DNA polymerase III 3264.

phage T4, errors recognition, mechanisms 4502.

phage T4, interaction-Cibacron blue, comparison-*Escherichia coli* DNA polymerase I 6426.

phage T4, mechanisms, theory 1196.

phage T4, stimulation-gene 44/62/gene 45 proteins 532.

DNA polymerase, (continued)

- phage T4 CB121 mutant, 1,10-phenanthroline, zinc chelator, effects on 2203.
- phage T4 nonsense mutant, specificity 3909.
- radiation (γ) effects on activity, bone marrow, rats 536.
- regenerating liver, rats, inhibition factors, effects on 7362.
- simian sarcoma virus/human cells, inhibition-pyrans 1202.
- spermatozoa, cattle, isolation/characterization 2205.
- thymine arabinoside, effects on, in vitro 4042.
- Trypanosoma brucei*, isolation/characterization 4500.
- tumours, inhibition-sesquiterpene lactones 1665.
- Uromyces phaseoli*, purification/characterization 4497, 4498.
- uterus, rats, stimulation-oestrogen 533.
- vaccinia virus, templates secondary structure, effects on 7368.
- vaccinia virus-induced, HeLa cells, purification/properties 7367.
- Vicia faba* /*Glycine max*, characterisation 4523.
- virions-associated, parvovirus replication, absence 2202.
- Xenopus laevis* oocytes mitochondria, characterisation 6422.
- DNA polymerase (RNA-dependent),**
- + RNA 70S, containing particles, characterisation, melanoma, mice 840.
- activity, analysis, N-nitrosoN-butylurea-induced leukaemia (myelogenous), spleen, rats 3266.
- activity, D-type virus, following EDTA treatment 1206.
- activity, human prostate 5642.
- activity, spleen cells, mice, Friend leukaemia virus infection, effects on 6438.
- associated ribonuclease H activity, oncornavirus, o-phenanthroline, effects on 7320.
- avian leucosis virus, comparison endogenous/exogenous 2804.
- avian myeloblastosis virus, inhibition-sodium pyrophosphate 1739.
- avian myeloblastosis virus, allosteric properties 4514.
- avian myeloblastosis virus, associated endonuclease, characterisation 7322.
- avian myeloblastosis virus, endonuclease activity 5159.
- avian myeloblastosis virus, inhibition-pyridoxal-5'-phosphate, tRNA Trp, effects on 5834.
- avian myeloblastosis virus, isolation/characterization 3920.
- avian myeloblastosis virus, transcription-cowpea mosaic virus RNA 3267.
- avian myeloblastosis virus, transcription-*Escherichia coli* rRNA 16S, kinetics 7379.
- avian myeloblastosis virus, use-Sindbis virus complementary DNA biosynthesis 546.
- avian myeloblastosis virus role-mutagenesis 6435.
- avian reticuloendotheliosis virus, characterisation, comparison-Friend leukaemia virus/avian myeloblastosis virus 2807.
- avian sarcoma virus, tRNA Trp role-primers, structure requirement 4080.
- baboon endogenous virus, antibodies characterisation 5654.
- C-type particles, stabilization-egg yolk fluid 5641.
- C-type virus, hamsters, characterisation 6434.
- C-type virus, sperm-spermatozoa antibodies 3288.
- detection-XC cells, methodology 4513.
- elongation-avian sarcoma virus genomes 5'-terminus complementary DNA, Triton X-100, effects on 6436.
- Escherichia coli*, alkylation, affinity labelling 4516.
- Escherichia coli*, binding-tRNA 1207.
- feline leukaemia virus, antibody response, cats 4533.
- feline syncytium-forming virus, identification 6433.
- human melanoma, purification/characterization 5162.
- human placenta, characterisation 2805.
- inhibition-4'-(9-acridinylamino)methanesulfon-m-aniside 958.
- inhibition-rifamycin derivatives 4505.
- inhibition-vesicular stomatitis virus, in vitro, role-membrane proteins 3268.
- L cells virions-associated, characterisation 4515.
- L1210 cells, inhibition-phosphonoacetic acid 2798.
- microsomes, spleen, Rauscher leukaemia virus-infected mice, purification 7378.
- oncornavirus (avian), isolation/characterization, virus-free system 1205.
- oncornavirus, detection-associated ribonuclease H activity 7319.
- oncornavirus, detection-human leukaemia cells 6437.
- oncornavirus, expression-human cells, review 2283.
- oncornavirus, interaction-protein p30 2808.
- oncornavirus, review 656.
- particles-associated, release-cell culture, embryos, chickens 5161.
- polypeptides, avian myeloblastosis virus, relationships-core protein 1204.
- Rauscher leukaemia virus, associated ribonuclease H, inhibition-RNA 504.
- Rauscher leukaemia virus, purification, binding-protein p30 1189.
- Rauscher leukaemia virus/avian myeloblastosis virus, associated ribonuclease H, inhibition-RNA 1160.
- Rauscher leukaemia virus-injected spleen, mice, purification/characterization 7380.
- replication defective avian sarcoma virus, binding-tRNA (tryptophanyl) 2208.
- role-avian myeloblastosis virus RNA 35S binding-tRNA Trp, liver, cattle 7381.
- role-DNA biosynthesis, human mixed leucocyte culture 2099.
- Rous sarcoma virus, DNA biosynthesis in vitro 2806.
- Rous sarcoma virus, inhibition-disulfiram 545.
- Rous sarcoma virus, isonicotinic acid hydrazide-copper complex, effects on 5640.
- Rous sarcoma virus, N-methyl isatin β -thiosemicarbazone-copper complex, effects on 1738.
- substrate specificity 1191.
- visna virus, multiple forms, characterisation 5160.
- visna virus replication-choroid plexus cells, sheep, inhibition-phosphonoformate 7122.
- DNA polymerase α ,**
- activity, CV1 cells, radiation (u.v.), effects on 5154.
- activity, HeLa cells, aphidicolin, effects on 5049.
- activity, oviduct, quails, diethylstilboestrol, effects on 7376.
- activity, spermatocytes/spermatids/spermatogonia, mice 4507.
- associated RNA polymerase, sea urchins, characterisation 524.
- bone marrow, rabbits, characterisation, comparison-DNA polymerase δ 541.
- calf thymus, DNA biosynthesis in vitro, dUTP incorporation 4506.
- calf thymus, inhibition-ATP arabinoside 2799.
- calf thymus, subunits dissociation, effects on activity 7374.
- catalysis-DNA biosynthesis, drugs, effects on, comparison-BHK-21 cells nuclei 4426.
- fidelity, N-2-fluorenylacetamide, effects on, liver, rats 3917.
- HeLa cells, separation/binding-DNA 1736.
- HeLa cells nuclei, role-DNA biosynthesis 5637.
- Hemicentrotus pulcherrimus* /HeLa cells, polyanions, effects on 539.
- human neuroblastoma cells, inhibition-concanavalin A/ricin 5636.
- human placenta, replication fidelity 6429.

DNA polymerase α (continued)

inhibition-rifamycin derivatives 4505.
 interaction-DNA-binding protein 647.
 KB cells, characterization 7373.
 L1210 cells, inhibition-phosphonoacetic acid 2798.
 mammalian, characterization, comparison-DNA polymerase β 5155.
 mastocytoma cells, mice, heterogeneity 3918.
 myocardium cells, rats neonates, stimulation-triiodothyronine 4508.
 regenerating liver, rats, purification/characterization 5156.
 role-adenovirus (human) 2 DNA biosynthesis 3916.
 role-DNA biosynthesis/DNA repair, BHK cells, comparison 7375.
 role-DNA replication, chromosomes, *Hemicentrotus pulcherrimus* embryos cleavage 2800.
 role-SV40 DNA replication 538.
 stimulation-17 β -oestradiol, uterus, rats, age, effects on 542.
Strongylocentrotus purpuratus, isolation/characterization 540.
DNA polymerase β ,
 activity, CV1 cells, radiation (u.v.), effects on 5154.
 activity, HeLa cells, aphidicolin, effects on 5049.
 activity, oviduct, quails, diethylstilboestrol, effects on 7376.
 activity, spermatocytes/spermatids/spermatogonia, mice 4507.
 calf thymus, DNA biosynthesis in vitro, dUTP incorporation 4506.
 calf thymus, inhibition-ATP arabinoside 2799.
 catalysis-DNA biosynthesis, drugs, effects on, comparison-BHK-21 cells nuclei 4426.
 fidelity, N-2-fluorenylacetamide, effects on, liver, rats 3917.
 HeLa cells nuclei, role-DNA biosynthesis 5637.
Hemicentrotus pulcherrimus /HeLa cells, polyanions, effects on 539.
 human neuroblastoma cells, inhibition-concanavalin A/ricin 5636.
 human placenta, replication fidelity 6429.
 inhibition-rifamycin derivatives 4505.
 like, activity, *Drosophila melanogaster*, identification 7377.
 liver, guinea-pigs, purification/properties 1199.
 L1210 cells, inhibition-phosphonoacetic acid 2798.
 mammalian, characterization, comparison-DNA polymerase α 5155.
 myeloma, mice, kinetics 6430.
 neurons/synaptosomes, brain, rats, role-DNA repair 5638.
 role-bleomycin-induced DNA repair 3919.
 role-DNA biosynthesis/DNA repair, BHK cells, comparison 7375.
 stimulating protein, HeLa cells, isolation/characterization 1737.
Strongylocentrotus purpuratus, isolation/characterization 540.
Strongylocentrotus purpuratus, purification/characterization 2801.
Xenopus laevis ovary, purification/characterization 543.
DNA polymerase γ ,
 activity, CV1 cells, radiation (u.v.), effects on 5154.
 activity, HeLa cells, aphidicolin, effects on 5049.
 activity, mitochondria, cell culture, mice 1200.
 HeLa cells nuclei, role-DNA biosynthesis 5637.
Hemicentrotus pulcherrimus embryos, characterization 4509.
 inhibition-rifamycin derivatives 4505.
 L1210 cells, inhibition-phosphonoacetic acid 2798.
 neurons/synaptosomes, brain, rats, role-DNA biosynthesis 5638.

role-adenovirus (human) 2 DNA biosynthesis 3916.
 role-DNA replication, adenovirus (human) 2/adenovirus (human) 5 4510.
 substrate specificity 1191.
DNA polymerase δ ,
 bone marrow, rabbits, characterization, comparison-DNA polymerase α 541.
DNA polymerase I,
 activity, *Escherichia coli*, plasmid pKM101/R factor R205, effects on 5634.
 activity, *Escherichia coli*, polyamines, effects on 1198.
 activity, *Escherichia coli* mutants 5633.
 activity, wheat germ, changes during germination 6427.
 DNA biosynthesis, *Escherichia coli*, methylation dependence 3795.
 DNA repair synthesis, toluene treated *Escherichia coli*, N-methyl-N'-nitro-N-nitrosoguanidine, effects on 5031.
Escherichia coli, allosteric properties 4514.
Escherichia coli, catalysis-poly d(A-T) synthesis 5819.
Escherichia coli, catalysis-polyd(A-T) synthesis 3439.
Escherichia coli, DNA biosynthesis in vitro, fidelity, metals activators, effects on 4504.
Escherichia coli, fidelity 3915.
Escherichia coli, inactivation-ATP (epoxy) 537.
Escherichia coli, inhibition-N-methylisatin- β -thiosemicarbazone-copper sulphate complex 6424.
Escherichia coli, interaction-Cibacron blue, comparison-phage T4 DNA polymerase 6426.
Escherichia coli, isolation, methodology 6428.
Escherichia coli, phage ϕ X174 DNA replication fidelity, metals/nucleotides pools, effects on 7370.
Escherichia coli, purification, methodology 7371.
Escherichia coli, reaction mechanisms determination, use-dATP diastereoisomers 7369.
Escherichia coli, template primer activity, DNA, nuclei, liver/cerebellum, mice 535.
Escherichia coli polA5 mutant, mechanisms 2206.
Micrococcus radiodurans, associated exonuclease, characterization 1148.
 nick translation-DNA 5074.
 role-DNA repair, *Escherichia coli* 1655.
 role-post-replication DNA repair, radiation (u.v.)-induced damage, *Escherichia coli* 7372.
 selective inhibition-1,10-phenanthroline 5635.
 wheat germ, purification/characterization 6425.
DNA polymerase II,
 activity, wheat germ, changes during germination 6427.
 wheat germ, purification/characterization 6425.
DNA polymerase III,
 activity, wheat germ, changes during germination 6427.
Bacillus subtilis, antibodies, applications 5153.
Bacillus subtilis, relationship-phage PBS2-induced DNA polymerase/uracil-containing DNA replication 3264.
 deficient *Escherichia coli*, radiation (u.v.)-induced DNA repair, pyrimidines dimers transfer 7141.
Escherichia coli, purification/subunits identification 5152.
 role-DNA repair, *Escherichia coli* 1655.
 wheat germ, purification/characterization 6425.
DNA primase,
Escherichia coli dnaG gene protein, inhibition-CTP (2'-deoxy-2'-azido) 1226.
 R factor R64drd11, *Escherichia coli*, purification/characterization 7394.
DNA repair,
 N-acetoxy-2-acetylaminofluorene-induced, relationship-in vivo chromosomes damage 3170.
Acholeplasma laidlawii 2701.

DNA repair.(continued)

- Anabaena variabilis*, radiation (u.v.)-induced damage/photoreactivation 7151.
- Anacystis nidulans*, thymine dimers, induction-radiation (u.v.)/photoreactivation 2108.
- angelicin photosensitization, CV-1 cells 2716.
- anthramycin damage, mechanisms, normal/xeroderma pigmentosum fibroblasts, human 3167.
- ascites tumour cells, mice, bleomycin, effects on 3816.
- assay, cyclophosphamide/mitomycin treatment, mice 1085.
- assays, carcinogens/mutagens/antitumour agents, use-*Escherichia coli* 5037.
- assays, hepatocytes culture, nitrosamines detection 6306.
- ataxia telangiectasia cells, bleomycin, effects on 5047.
- ATP/deoxynucleoside triphosphates dependent, radiation (X)-treated *Escherichia coli*, role-exonuclease V/exonuclease VIII 7142.
- Bacillus subtilis* DNA-membranes complex, N-methyl-N-nitrosourea, effects on 4396.
- bacteria, pathways, role-mutagenesis 2899.
- bacteria, relationship-mutagenesis, review 6548.
- benzo(a)pyrene-induced, detection, use-thymidine (dideoxy) 1074.
- benzo(a)pyrene metabolites induced-damage, human cells 1090.
- BHK cells, role-DNA polymerase α /DNA polymerase β , comparison 7375.
- bleomycin, squamous cell carcinoma treatment, mice 1664.
- bleomycin-induced, role-DNA polymerase β 3919.
- caffeine-sensitive, role-radiation (u.v.) survival/mutagenesis, *Schizosaccharomyces pombe* 3158.
- capacity, *Escherichia coli*, relationship-N-methyl-N-nitrosocarbamate insecticides mutagenicity 3154.
- carcinogens-induced, *Escherichia coli* 5036.
- carcinogens-induced, review 4590.
- carcinogens-induced damage, screening, methodology 3807.
- cell culture, hepatocytes, test-carcinogens 1662.
- CHO cells, hydroxyurea, effects on 5558.
- combination-8-methoxypsoralen + light, *Saccharomyces cerevisiae* radiosensitive mutants 2111.
- cytosine deamination, *Escherichia coli*, sodium bisulphite, effects on 5033.
- defect, human, radiation (u.v.)-induced damage 438.
- defects, effects on radiation (γ) induced mutation, phage λ 4395.
- defects, following radiation (γ), relationship-chromosomes anomaly 7163.
- defects, human genetics diseases, review 5692.
- deficient mutant, *Staphylococcus aureus*, isolation 7149.
- dimethylnitrosamine/diethylnitrosamine induced damage, kidney, rats 4404.
- distribution, mammary gland cells, mice, role-chromatin structure 3172.
- DNA glycosylase/apurinic sites/aprimidinic sites specific endonuclease, review 4588.
- double-stranded breakage, radiation (ionizing)-induced damage, *Escherichia coli* chromosomes 6287.
- double-stranded breaks, CHO cells, role-recombination 6299.
- embryo fibroblasts, mice, relationship-life span 1086.
- enzymes, induction, radiation, *Clostridium moniliferum* 5554.
- error-prone, *Escherichia coli* 2704.
- Escherichia coli*, 1,3-bis(2-chloroethyl)-1-nitrosourea, effects on 5549.
- Escherichia coli*, inhibition-radiation (γ) + sodium chloride 2706.
- Escherichia coli*, N-methyl-N-nitrosourea-induced single-stranded breakage, recA gene/polA1 gene/exrA gene mutations, effects on 7140.
- Escherichia coli*, postreplication, tsI mutant, effects on 433.
- Escherichia coli*, radiation (γ), oxygen effects on, photoreactivation 1077.
- Escherichia coli*, radiation (γ)-induced damage, mechanisms 1081.
- Escherichia coli*, radiation, synergism, effects on 1076.
- Escherichia coli*, radiation (u.v.), effects on 3151.
- Escherichia coli*, radiation (u.v.)/radiation (γ) induced damage, comparison-phage λ 7143.
- Escherichia coli*, relationship-DNA biosynthesis/protein biosynthesis 3812.
- Escherichia coli*, role-DNA polymerase I/DNA polymerase III 1655.
- Escherichia coli*, role-uracil-DNA glycosylase 5175.
- Escherichia coli* K12, radiation (u.v.) + methyl methanesulphonate induced damage 7138.
- Escherichia coli* / *Salmonella typhimurium*, effects on mutagenesis, review 2885.
- excision, benzo(a)pyrene diol-epoxide derivatives induced damage, adenovirus (human) 5, human fibroblasts 441.
- excision, 7-bromomethylbenz(a)anthracene-DNA adducts, Chinese hamsters cells, inhibition-caffeine 2715.
- excision, characterization, eukaryotes, cell culture 1659.
- excision, cis-dichlorodiammine platinum II-induced damage, Chinese hamsters cells 7155.
- excision, *Escherichia coli*, rates/repair patches size, recL mutant 2110.
- excision, *Escherichia coli*, role-uvr gene 3814.
- excision, human lymphocytes, radiation (u.v.) saturation, effects on 6311.
- excision, human lymphocytes, recurrent herpes simplex virus 4405.
- excision, radiation (u.v.)/N-acetoxy-2-acetylaminofluorene-induced damage, human cells, normal/ataxia telangiectasia/Fanconi's anaemia/Bloo's syndrome/Cockayne syndrome 3822.
- excision, radiation (u.v.)-induced, human lymphocytes B/lymphocytes T, hydroxyurea/cytosine arabinoside, effects on 6308.
- excision, radiation (u.v.)-treated phages, *Bacillus subtilis* 3809.
- excision, review 5709.
- excision, role-DNA biosynthesis recovery, following radiation (u.v.), xeroderma pigmentosum cells 7154.
- Fanconi's anaemia/normal human fibroblasts, comparison 4408.
- following radiation (u.v.), *Microtus agrestis* cells 6292.
- following radiation (u.v.), phytohaemagglutinin-stimulated lymphocytes 6310.
- following radiation/drugs, review 5251.
- germ cells, mice, detection, methodology 7158.
- guanine (O⁶-methyl) excision, dimethylnitrosamine-induced damage, liver, rats 2712.
- guanine (O⁶-methyl) excision, dipropylnitrosamine/diethylnitrosamine pretreatment, effects on 7161.
- heart cells, rats, adriamycin, effects on 6295.
- heavy ions-induced breaks, human kidney cells 7164.
- HeLa cells, induction-carcinogens, assays 1091.
- HeLa cells, induction-neocarcinostatin 2120.
- HeLa cells, inhibition-apidicolin 5563.
- hepatocytes, rats 3168.
- human alveolar tumour cells, harman, effects on 5052.
- human fibroblasts, assays 6301.
- human fibroblasts, following radiation (u.v.)/benzo(a)pyrene metabolites 7181.
- human fibroblasts, induction-cholesterol oxide/radiation

DNA repair,(continued)

- (u.v.) 5559.
 human genomes 3820.
 human lymphocytes, association-poly (ADP-ribose) biosynthesis 7165.
 human lymphocytes, mitomycin C-induced damage, inhibition-caffeine 2121.
 induced, eukaryotes cells, review 5712.
 induced error-prone, review 5699.
 induction-2-acetylaminofluorene, hepatocytes, 3-methylcholanthrene-treated rats 2711.
 inhibitors, effects on bleomycin induced chromosome aberrations, CHO cells 5048.
 involvement-hydroxyurea induction-endogenous murine leukaemia virus, AKR cells 5046.
 iodine-125 decay-induced DNA breakage, *Micrococcus radiodurans* 3815.
 irradiated *Escherichia coli*, radiosensitization 1078.
 irradiated lymphocytes, pigs 436.
 kidney cell cultures, mice, induction-dimethylnitrosamine 3817.
 lens cells, embryos, chickens, during development 4400.
 lens epithelium, rats, induction-chlorpromazine/methoxsalen 2710.
 liver cells, rats/human leucocytes, radiation (u.v.)/cyclophosphamide, effects on 4402.
 LL cells, hydroxyurea/methylnitrosourea/actinomycin D induced damage 5050.
 lymphoblastoid cell lines, induction-hydroxyurea, liver microsomes, effects on 6309.
 mammals, association-mutagenesis, review 2887.
 mammals cells, review 2285.
 mechanisms, book 3999.
 methyl methanesulphonate-induced, assays 4401.
 methyl methanesulphonate-induced breakage, *Saccharomyces cerevisiae* 5553.
 methyl methanesulphonate/4-nitroquinoline-1-oxide damage, L cells/KB cells 3169.
 N-methyl-N-nitrosourea-induced damage, spermatozoa, mice 5044.
 N-methyl-N-nitrosourea-treated V-79 cells 7178.
 N-methyl-N-nitrosourea-induced damage, pancreas, guinea pigs 3161.
Micrococcus radiodurans, radiation (γ), effects on 5039.
 Mullerian duct, embryos, chickens 7153.
 mutagens-damaged plants, review 3359.
 neocarzinostatin-induced damage, HeLa cells 7174.
 neurons/synaptosomes, brain, rats, role-DNA polymerase β 5638.
 nitrofurans damage, *Escherichia coli* 7139.
 nitrogen mustard induced DNA-proteins cross-linking, fibroblasts, Chinese hamsters, phenylmethylsulphonyl fluoride, effects on 3821.
 nitrous acid induced damage, *Escherichia coli*, occurrence-specific enzymes 5032.
 normal/abnormal human lymphoid cell lines, carcinogens/mutagens, effects on 5051.
 normal/xeroderma pigmentosum human cells, inhibition-cytosine arabinoside 6605.
 nuclei/chromatin, liver, rats, radioprotective agents, effects on 4403.
 pathway, *Escherichia coli* mutants, methyl methanesulphonate induced damage 5547.
 pathways, bacteria, role-mutagenesis, review 2301.
 patterns, radiation (u.v.)-induced, metaphase/interphase chromosomes 6303.
 phage λ , radiation (u.v.), inhibition-DNA gyrase inhibitors 1075.
 phage PBS1/phage SPO2, deaminated cytosine uracil-DNA glycosidase 2221.
 phage T4 DNA apurinic sites, *Anacystis nidulans* cell-free system 2702.
 phage T4 radiation (u.v.)-sensitive mutants 1653.
 post-irradiation, thymocytes, rats, metabolism inhibitors, effects on 3819.
 post-replication, mammalian cells, radiation (u.v.), models 440.
 post-replication, radiation (u.v.)-induced, normal/xeroderma pigmentosum cells 7180.
 post-replication, radiation (u.v.)-induced damage, *Escherichia coli*, role-DNA polymerase I 7372.
 post-replication, radiation (u.v.) treated *Micrococcus luteus*, chloramphenicol, effects on 5038.
 psoralen + radiation (light)-induced cross-links, *Escherichia coli* /phage λ 3811.
 psoralen/light-induced cross-links, *Escherichia coli* DNA metabolism mutants 2109.
 radiation (γ)-induced, brain, mice 2709.
 radiation (γ)-induced, *Escherichia coli*, protection-cysteamine 1654.
 radiation (γ)-induced lesions, role-*Micrococcus luteus* endonuclease 6383.
 radiation (fast neutron)-induced breakage, mammalian cells 6312.
 radiation (iodine 125) induced double-stranded/single-stranded breakage, human kidney cells 5557.
 radiation (ionizing)-induced single-stranded breakage, *Escherichia coli*, nalidixic acid, effects on 3153.
 radiation (u.v.) + N-acetoxy-2-acetylaminofluorene treated xeroderma pigmentosum cells 7167.
 radiation (u.v.), cell lines, mammals 3171.
 radiation (u.v.), induction-skin carcinoma, mice, AMP (cyclic) modification, effects on 3173.
 radiation (u.v.)/carcinogens-treated retina ganglion cells, rats, relationship-age 3162.
 radiation (u.v.)-inactivated *Acholeplasma laidlawii*, acriflavine, effects on 3148.
 radiation (u.v.)-induced, association-nucleosomes rearrangement, human chromatin 631.
 radiation (u.v.)-induced, *Bacillus subtilis* mutant 7136.
 radiation (u.v.)-induced, chromatin, normal/xeroderma pigmentosum human fibroblasts 7170.
 radiation (u.v.)-induced, *Dictyostelium discoideum* radiation-sensitive/resistant strains 5550.
 radiation (u.v.)-induced, distribution-human fibroblasts 6304.
 radiation (u.v.)-induced, distribution-human/mice cells 6313.
 radiation (u.v.)-induced, DNA polymerase III deficient *Escherichia coli*, pyrimidines dimers transfer 7141.
 radiation (u.v.)-induced, human actinic keratosis skin fibroblasts 2713.
 radiation (u.v.) induced, human fibroblasts, age, effects on 2119.
 radiation (u.v.)-induced, human leucocytes, age, effects on 7177.
 radiation (u.v.)-induced, human placenta cell culture 7166.
 radiation (u.v.)-induced, human skin fibroblasts, inhibition-hydroxyurea 7171.
 radiation (u.v.)-induced, L1210 cells, inhibition-quinacrine/anthralin 1092.
 radiation (u.v.)-induced, *Pseudomonas aeruginosa*, phage C5, effects on 7148.
 radiation (u.v.)-induced, role-*Escherichia coli* defective mutant 3149.
 radiation (u.v.)-induced, role-pyrimidines dimers excision,

DNA repair,(continued)

- Escherichia coli* 7145.
 radiation (u.v.)-induced, xeroderma pigmentosum/Cockayne syndrome 5556.
 radiation (u.v.)-induced damage, *Azotobacter vinelandii* 7135.
 radiation (u.v.)-induced damage, *Dictyostelium discoideum* radiation-sensitive mutants 5551.
 radiation (u.v.) induced damage, *Escherichia coli* sbcA mutant 5034.
 radiation (u.v.) induced damage, *Escherichia coli*, DNA turnover. effects on 5548.
 radiation (u.v.)-induced damage, *Gloeocapsa alpicola* 7152.
 radiation (u.v.)-induced damage, human light-sensitive skin diseases 4406.
 radiation (u.v.)-induced damage, *Mycoplasma buccale* 7147.
 radiation (u.v.)-induced damage, phage λ /phage T4 7129.
 radiation (u.v.) induced damage, plasmids ColE1 hybrids 5027.
 radiation (u.v.)/4-nitroquinoline 1-oxide/N-acetoxy-2-acetylaminofluorene-induced damage, human fibroblasts 7169.
 radiation (u.v.)/radiation (γ) induced, *Escherichia coli*, caffeine/acriflavine, effects on 7144.
 radiation (u.v.)/radiation (visible light)-induced damage, *Potorous tridactylus* 434.
 radiation (X)-induced, association-survival, cell culture 1660.
 radiation (X) induced, HeLa cells, cytosine arabinoside, effects on 3824.
 radiation (X)-induced, HeLa cells, hyperthermia, effects on 6305.
 radiation (X)-induced single-stranded breakage, DNA repair, inhibition-caffeine (8-bromo) 439.
 radiation (X)-induced single-stranded breakage, comparison-insects/mammalian cells 6307.
 radiation-induced damage, theories 4017.
 recombination, phage T4, ethyl methanesulphonate treatment 7131.
 recombination, phage T4, N-methyl-N'-nitro-N-nitrosoguanidine treatment 7130.
 relationship-cis-dichlorodiammine platinum (II) interaction-DNA 6093.
 review 1321, 5704.
 role-cataracts aetiology, review 1313.
 role-mutagenesis/carcinogenesis, proceedings 2276.
 role-xeroderma pigmentosum, review 2883.
Saccharomyces cerevisiae, anthramycin/tomayomycin/sibiromycin-induced, mechanisms 3157.
Saccharomyces cerevisiae, radiation (u.v.)/nitrous acid induced, mechanisms 1657.
Saccharomyces cerevisiae, radiation (X) induced double-stranded breakage, mechanisms 4398.
Saccharomyces cerevisiae, single-stranded breakage, formaldehyde-induced 1082.
Saccharomyces cerevisiae DNA ligase defective mutant 4399.
Schizophyllum commune, radiation (u.v.) damage 1084.
 single-stranded breakage, *Vicia faba* 4410.
 spleen lymphocytes, rats, intrauterine radiation (X) exposure, effects on 6297.
 synthesis, distribution, chromatin, human fibroblasts, N-acetoxy-2-acetylaminofluorene, effects on 627.
 synthesis, DNA polymerase I, toluene treated *Escherichia coli*, N-methyl-N'-nitro-N-nitrosoguanidine, effects on 5031.
 Syrian hamsters embryos cells, 7,12-dimethylbenz(a)anthracene/5-fluoro-7,12-dimethylbenz(a)anthracene treatment 7156.
 3,3',4',4'-tetrachloroazobenzene-induced, hepatocytes, rats 7160.
 tumour cells, mammary gland, mice, radiation (u.v.)/radiation (X), effects on 5053.
 ultrasound-induced, HeLa cells 7173.
 uracil (5-bromo) induced damage, *Escherichia coli* mutants 5029.
 xanthotoxin/visnagin-induced damage, *Chlamydomonas reinhardtii* 3159.
 yeasts, deoxyribodipyrimidine photolyase 1096.
DNA-suppressing factor, effects on DNA thymidine incorporation 464.
DNA tumour virus, DNA polymerase, review 656.
DNA-unwinding protein, activity, phage λ int gene products 7456.
 activity, phage T4 gene 39/gene 52 products complex 7261.
 activity, sea urchin, development/cell cycle 1293.
 adenosinetriphosphatase, phage T4-infected *Escherichia coli*, isolation/properties 5675.
Agrobacterium tumefaciens, effects on plasmids/plants DNA 1169.
 calf thymus, interaction-DNA 2271.
 DNA conformations, effects on, review 6545.
 effects on phage M13 DNA replication, infected *Escherichia coli* 5538.
Escherichia coli, role-transcription 2874.
Escherichia coli, formation-double-stranded DNA 643.
Haemophilus gallinarum, purification/characterization 7460.
 L cells, purification 1295.
 nucleosomes-like particles assembly 7444.
 phage f1, characterization 641.
 phage T4, crystallization/electron diffraction 1287.
 phage T4, DNA binding properties 7457, 7458.
 phage T4, DNA binding sites 642.
 phage T4, interaction-DNA 3982.
 phage T4, interaction-DNA, kinetics 1288.
DNases see **Deoxyribonuclease**.
Doxorubicin, complex-DNA, affinity constants determination 7222.
 complex-DNA, effects on malignant diseases, children 7230.
 complex-DNA, toxicity/pharmacology, mice 7227.
 complex-DNA, uptake, human leukaemia cells 7229.
 complex-DNA, use-chemotherapy, review 6552.
 complex-DNA, use-leukaemia (acute)/bronchogenic carcinoma treatment 7234.
 DNA complex, pharmacokinetics, cancer, children 3199.
 effects on DNA biosynthesis, heart, rats/mice 2117.
 inhibition-DNA biosynthesis, mechanisms 3146.
Drosophila, cells, radiation (u.v.)-treated, DNA/RNA binding-psoralen derivatives 6969.
 chromatin, structure, occurrence-higher order domains 5221.
 embryos, eye colour, DNA injection, effects on 6339.
 embryos, RNA biosynthesis rates during development 6032.
 heat shock loci, chromatin structure 5222.
 lampbrush polytene chromosomes, location-RNA 5S genes 5670.
 nonhistone proteins distribution 1256.

Drosophila, (continued)

nuclei, digestion-deoxyribonuclease I, release-proteins, association-chromosome puff 2866.
 polytene chromosomes, DNA content/morphology, temperature, effects on 5231.
 mRNA, abundance, relationship-lifetime 1457.
 tRNA, purification/nucleosides composition 4677.
 rRNA 5S formation, kinetics 1971.

Drosophila hydei,
 chromosomes, DNA replication 6264.
 chromosomes DNA biosynthesis, puromycin, effects on 7198.

Drosophila melanogaster,
 chromatin, assembly following replication 2252.
 chromosomes, DNA, homology-*Drosophila virilis* 2088.
 chromosomes, puffing patterns, glutamic acid, effects on 1275.
 chromosomes, tRNA Val genes localization/characterization 5227.
 cloned DNA fragments, RNA 4S-coding, characterization 2662.
 differentiation, protein biosynthesis patterns 790.
 distribution-satellite DNA/DNA 948.
 Dm142 gene, characterization 2663.
 DNA, heat shock gene sequences, cloning 482.
 DNA, repeated genes, heat shock locus 400.
 DNA, RNA polymerase II initiation sites, quantitation 7350.
 DNA polymerase β -like activity, identification 7377.
 embryos, DNA polymerase, purification/characterization 2204.
 guanine-insertion enzyme, role-nucleoside Q biosynthesis 2815.
 heat shock-induced proteins genes, containing, recombinant plasmids, sequence organization 4303.
 heat shock loci, sequence organization/transcription 1621.
 heat shock proteins, genes, cloned DNA segments, analysis 6228.
 heat shock proteins genes, containing, DNA segments, mapping 6227.
 heat shock response, adenosine (5'-methylthio), effects on 5761.
 heterochromatin, satellite DNA, localization-adjacent copia gene 1620.
 imaginal discs, uridine incorporation, ecdysterone, effects on 1972.
 imaginal discs cells, DNA biosynthesis, inhibitors, effects on 7197.
 larvae, fat body, ecdysone induction-mRNA 1510.
 lethal mutant, tRNA metabolism 3444.
 mitochondria, DNA, mapping, electron microscopy 3768.
 mutants, ovary, rRNA gene polyploidization 4872.
 nuclei, RNA biosynthesis in vitro 4811.
 oocytes, polyribosomes content 2954.
 oocytes, mRNA, coding activity/stability 3641.
 ovary follicles, mRNA, identification/localization 4146.
 protein biosynthesis cell-free system, characterization 4706.
 recombinant deficient mutant, chromosome aberrations 3977.
 mRNA, sequence complexity during embryogenesis 6800.
 tRNA aminoacylation, age, effects on 5839, 6682.
 RNA biosynthesis/protein biosynthesis, α -amanitin/juvenile hormone, effects on 901.
 rRNA gene, cloned fragments, isolation/characterization 3769.
 rRNA gene, cloned fragments, mapping 3770.
 rRNA gene, nucleotide sequence homology-*Drosophila virilis* 4990.

rRNA gene transcription/spacer sequence, evolution, comparison 7086.
 tRNA genes, transcription-*Xenopus laevis* germinal vesicle extracts 749.
 tRNA isoacceptors patterns, age, effects on 5840.
 tRNA Lys, nucleotide sequence 3451.
 tRNA Met, nucleotide sequence 2937.
 RNA polymerase II, properties 7349.
 tRNA Val, purification/characterization 747.
 rRNA 5S genes, cloning, mapping/nucleotide sequence determination 4989.
 rRNA 5S genes, locus organization 1619.
 somatic chromosomes, location-repetitive DNA 3974.
 vitellogenin, biosynthesis in vivo/organ culture/cell-free system 4095.
 wing discs, RNA biosynthesis/protein biosynthesis 3572.

Drosophila nasuta,
 polytene cells nucleoli, DNA, organization/replication 6230.

Drosophila nasutoides,
 metaphase chromosomes, localization-satellite DNA 3975.

Drosophila neohydei,
 chromosomes, DNA replication 6264.

Drosophila simulans,
 mitochondria, DNA, mapping, electron microscopy 3768.

Drosophila virilis,
 chromosomes, DNA, homology-*Drosophila melanogaster* 2088.
 histone H1 phosphorylation, relationship-satellite DNA compaction, heterochromatin 6489.
 mitochondria, DNA, mapping, electron microscopy 3768.
 rRNA gene, nucleotide sequence homology-*Drosophila melanogaster* 4990.
 rRNA gene sequence, cytosine (methyl) detection 6229.
 satellite DNA, isolation/characterization 7085.

Drosophila virus X,
 virions-associated RNA polymerase, RNA biosynthesis in vitro 1731.

Drug resistance,
 emetine, CHO cells, relationship-ribosomal protein S20 mutation 3505.

Drugs,
 see also **specific compounds**
 interaction-DNA, review 4594.
 platinum-containing, spin labelled, interaction-guanosine (deoxy) 6583.

Ducks,
 cells, DNA sequences, transfer-3T3 cells, Rous sarcoma virus 1140.
 DNA, homology-chickens/quails/ostriches 1623.
 erythrocytes, nuclei, high mobility group nonhistone proteins, acetylation 1259.
 erythrocytes, occurrence-globin mRNA precursors 4147.
 liver, vitellogenin/albumin mRNA, purification 843.

Dunaliella bioculata,
 cell cycle, DNA biosynthesis/RNA biosynthesis/protein biosynthesis 1066.

Dunaliella tertiolecta,
 DNA replication, regulation during senescence 5057.

Dyes,
 complex-DNA, c.d. 3668.
 interaction-DNA/RNA, review 2901.
 photosensitization-DNA, free radicals induction 2047.
 photosensitization-DNA, phage T4 inactivation 3062.

Dytiscus marginalis,
 oocytes, rRNA gene organization 3318.

- E.s.r.**,
 ATP interaction-manganese 6621.
 cations radicals, DNA/dinucleoside phosphates
 photoionization 3083.
 DNA + caffeine, solubilization-benzo(a)pyrene (6-oxy) 2052.
 Escherichia coli ribonucleotide reductase tyrosine free
 radicals 1235.
 GMP complex-copper 5304.
 lysine-rich histones binding-DNA 7418.
 manganese-ATP complex 1856.
 poly (A)/poly (U) spin labelling-nitroxides 5807.
 polynucleotides interaction-Vero cells 156.
 purines/pyrimidines, radiation (γ) 2308.
 pyrimidines dihydro derivatives, radicals 31.
 radiation (γ), cytosine (iso) crystals 6562.
 UMP radiation-induced phosphate radicals 1858.
 uracil (5-bromo) 683.
 uracil (dihydro) radiation damage, radicals 1343.
Ecdysone,
 effects on RNA biosynthesis, *Acrictopus lucidus* salivary
 gland 4201.
 effects on RNA polymerase activity, *Antheraea pernyi* wings
 epidermis, during development 3248.
 induction-mRNA, larvae fat body, *Drosophila melanogaster*
 1510.
 α -Ecdysone,
 effects on DNA biosynthesis, *Aeshna cyanea* larvae 5024.
 β -Ecdysone,
 effects on DNA biosynthesis, *Aeshna cyanea* larvae 5024.
 effects on DNA biosynthesis/RNA biosynthesis, *Panulirus*
longipes 3585.
Ecdysterone,
 effects on RNA biosynthesis/DNA biosynthesis, *Bombyx*
mori larvae, midgut 3586.
 effects on uridine incorporation, *Drosophila melanogaster*
 imaginal discs 1972.
Echinodermata,
 DNA sequence homology 3121.
 DNA sequences organization 2657.
Echinus,
 eggs, histones, characterization 2843.
Ectromelia virus,
 hepatocytes, mice, DNA biosynthesis, thymidine (trifluoro)
 + asialofetuin, effects on 7111.
Edeine,
 effects on ribosomal subunit 40S-reovirus mRNA interaction
 818.
EDTA,
 effects on deoxyribonucleoproteins 1755.
 effects on histones electrophoretic mobility, trout/chickens
 erythrocytes/calf thymus 6472.
 inhibition-DNA binding-receptors, *Bacillus subtilis* 1133.
Eggplant mosaic virus,
 RNA, translation-wheat germ cell-free system 4241.
 RNA, translation-wheat germ extracts/reticulocyte lysate
 3639.
 RNA homology-Andean potato latent virus/turnip yellow
 mosaic virus 873.
Ehrlich ascites carcinoma,
 bearing mice, liver, DNA biosynthesis 5565.
Ehrlich ascites carcinoma cells,
 mRNA precursors 5'-terminus fragments, complexity/
 hybridization properties 6807.
Ehrlich ascites cells,
 chromatin structure, review 1333.
 ribonucleoside-diphosphate reductase, reconstitution 571.
 RNA polymerase II stimulatory factors, purification/
 characterization 1725.
Ehrlich ascites tumour,
 bearing-mice, spleen, DNA biosynthesis 2125.
 mice, DNA complex-daunorubicin, antitumour activity 7231.
 RNA, effects on homologous tumours transplantation/
 growth 3044.
 RNA biosynthesis, pulvomycin/kiromycin, effects on 3017.
Ehrlich ascites tumour cells,
 chromatin, interaction-daunorubicin 6500.
 chromatin histones segregation during replication 4545.
 cytoplasmic RNA biosynthesis, anaerobic conditions, effects
 on 4840.
 DNA, bleomycin, effects on 6965.
 DNA, isolation-replication branching sites 4883.
 DNA, strands breakage-aminoquinones 362.
 DNA biosynthesis, lasers radiation, effects on 7168.
 DNA biosynthesis/RNA biosynthesis, sulphated
 polysaccharides, effects on 2144.
 DNA biosynthesis/RNA biosynthesis/protein biosynthesis,
 regulation-quercetin 3838.
 DNA biosynthesis/RNA biosynthesis/protein biosynthesis,
 pyrimidine (1,3,4-thiadiazolo[3,2a]), effects on 6884.
 fluids, immunosuppressive factor deoxyribonucleoproteins,
 characterization 5195.
 interferon-treated, mRNA accumulation 6927.
 localization-DNA-daunorubicin interaction 965.
 nuclear DNA, degradation-anthracycline 4887.
 nuclei, DNA biosynthesis, heparin, effects on 7185.
 nucleosides uptake, inhibition-methylhydrazones 1360.
 nucleosomes fractions, isolation/characterization 6483.
 poly (ADP-ribose) polymerase, purification/properties 1231.
 polyribosomes, poly (A) containing mRNA, sequence
 complexity 5986.
 polyribosomes, proteins, patterns 815.
 prophase, ribosomes content 207.
 protein biosynthesis/RNA biosynthesis/DNA biosynthesis,
 sodium/potassium concentration, effects on 4712.
 protein factors, inhibition-RNA polymerase I/RNA
 polymerase II 1183.
 purine nucleotides biosynthesis, adenosine (5'-deoxy), effects
 on 2335.
 ribonucleoside-diphosphate reductase, subunits association
 1232.
 RNA biosynthesis, inhibition-RNA polymerase II
 stimulation factors antibodies 6883.
 Sendai virus infected, ribonucleoproteins, occurrence/
 characterization 3290.
 separation-poly (A) containing mRNA, methodology 3530.
Eimeria tenella,
 gametogenesis, RNA content 223.
 ribosomes, characterization 2952.
Eisenia foetida,
 spermatids, mitochondria-mediated chromatin condensation
 6503.
Elaphe radiata,
 satellite DNA, W chromosome-associated, condensed,
 behaviour 3976.
Elastin,
 mRNA, aorta, chickens, isolation/translation 4247.
Electric shock,
 effects on DNA thymidine incorporation, brain, rats 3179.

Electron microscopy,

+ autoradiography, *Lilium longiflorum* chromosomes

DNA biosynthesis during meiosis 7221.

avian myelocytomatosis virus RNA structure 2989.

characterization-chromatin, liver, rats 1775.

characterization-plasmid pCR1/plasmid pCR11 7021.

Chilodonella uncinata chromosomes, chromatin organization 2258.

chromatin, methodology 610.

chromatin fibres structure, chickens erythrocytes nuclei 5206.

circular DNA/plants 3136.

defective herpes simplex virus 1 DNA 384, 1595.

detection-HeLa cells cytoplasmic RNA circular forms 6808.

DNA, *Paracentrotus lividus* embryos 1618.

DNA, persistence length determination 6136.

DNA, phage T4 particles 6162.

DNA, rats, mitochondria, base composition heterogeneity 3778.

DNA cross-links, human skin 3786.

DNA detection, methodology, review 5250.

DNA/ribosomes structure, book 655.

DNA/RNA, use-phosphotungstic acid 1542.

DNA transcription complex, SV40 infected kidney cells, mice 3944.

encephalomyocarditis virus/poliiovirus 1/poliiovirus 3 RNA 3537.

Escherichia coli F' factors structure 2600.

Escherichia coli plasmid API DNA 5483.

Escherichia coli restriction endonuclease, mechanisms 6395.

Escherichia coli ribosomal subunit 30S structure 5877.

Escherichia coli ribosomal subunit 50S, methodology 195.

Escherichia coli ribosomal subunit 50S, structure 4103.

Escherichia coli ribosomes/ribosomal subunits 2411.

Escherichia coli rRNA 16S/phage MS2/phage Q β rRNA, molecular weight 1948.

Euplotes vannus /*Keronopsis pulchra* /*Gastrostyla steinii*, chromatin fibres 3313.

Galleria mellonella polyhedrosis virus DNA structure 5500.

Geotrichum candidum ribosomal subunits structure 2414.

human chromosomes, structure 1782.

insertion sequence 1/chloramphenicol antibiotic resistance-containing phage Mu DNA 1586.

localization-*Escherichia coli* RNA polymerase binding sites, phage S13/phage ϕ X174 DNA 2614.

localization-tRNA, *Escherichia coli* ribosomal subunit 30S 4105.

mapping-*Drosophila melanogaster* /*Drosophila simulans* /*Drosophila virilis* mitochondria DNA 3768.

mapping-herpes simplex virus 1 DNA bound proteins 7472.

mapping-phage ϕ X174/phage G4 DNA heteroduplex 4938.

mapping-promoters, phage T5 genome 2616.

mapping-*Saccharomyces cerevisiae* double-stranded RNA 250.

mapping-*Saccharomyces cerevisiae* rRNA gene, methodology 1043.

mapping-*Xenopus laevis* mitochondria DNA RNA 4S genes 401.

minute virus of mice RNA 5954.

Moloney leukaemia virus RNA splicing 858.

phage λ DNA RNA polymerase binding sites, mapping 376.

phage λ DNA transcription initiation sites, mapping 7031.

phage C $_D$ DNA 6159.

phage fd DNA, orientation 3717.

Physarum polycephalum DNA replication 4378.

plasmid pVH51 replication 5010.

poliovirus, RNA-associated proteins 2875.

preparation-DNA/chromatin, methodology 981.

proteins binding-DNA, mapping 1299.

pseudorabies virus DNA structure 6193.

psoralen derivatives photochemical cross-linking-DNA, epidermis, guinea-pigs 7088.

R factor RSF2124 + plasmid pLS11 3705.

ribosomal subunit 50S, localization-ribosomal protein L7/L12 3479.

ribosomes, liver, rats 3487.

mRNA complementary DNA 3777.

rRNA gene repeated unit size 6240.

spermidine-induced phage T7 DNA condensation 382.

Spinacia folded chloroplast DNA 2094.

SV40 chromatin, nucleosomes, arrangement 614.

transcription, *Strongylocentrotus purpuratus* embryos 4810.

use-mapping genomes, phage G4/phage ϕ X174, comparison 4316.

vaccinia virus DNA, structure, inverted terminal repetition 1017.

yeasts mitochondria DNA chloramphenicol antibiotic resistance segments 5516.

Electrophoresis,

characterization-plasmids, *Shigella sonnei* /*Shigella flexneri* antibiotic resistance isolates 7245.

comparison-rotavirus (simian)/rotavirus (human)/rotavirus (bovine) genomes RNA 5958.

identification-ribosomal proteins, liver, rats 4721.

Paracentrotus lividus chromatin nonhistone proteins 6477.

quantitation-*Bombyx mori* silk gland tRNA 5823.

resolution-*Saccharomyces cerevisiae* circular mitochondrial DNA 1041.

Rhizobium meliloti plasmids identification/characterization 7243.

ribosomal proteins 192.

separation-DNA restriction endonuclease fragments 3060.

separation-RNA 233, 1460.

Ellipticine,

binding-calf thymus DNA, characterization 3081.

derivatives, induction, DNA breakage, L1210 cells 6995.

Elongation,

activity, protein biosynthesis, liver, rats, proteins depletion/refeeding, effects on 4709.

protein biosynthesis, inhibition-reticulocytes membranes components 5362.

protein biosynthesis, reticulocytes/reticulocyte lysate, potassium concentration, effects on 1454.

Saccharomyces cerevisiae cell-free system, analysis 5341.

Elongation factor G,

complex-guanosine nucleotides + ribosomes, dissociation 4744.

Escherichia coli, amino acid sequence, GTP binding sites 1452.

fragments, *Escherichia coli*, crystallization 3509.

mutants, *Bacillus subtilis*, suppression-RNA polymerase mutations 3246.

role-*Bacillus subtilis* sporulation 1449.

Spinacia chloroplasts, purification 4753.

Thermus thermophilus, catalytic properties, comparison-*Escherichia coli* 5914.

Thermus thermophilus, characterization, comparison-*Escherichia coli* 5915.

Thermus thermophilus, purification/characterization 5913.

Elongation factor Ts,

identification-elongation factor 1 components, reticulocytes, rabbits 6758.

Thermus thermophilus, catalytic properties, comparison-*Escherichia coli* 5914.

Thermus thermophilus, characterization, comparison-

Elongation factor Ts,(continued)

Escherichia coli 5915.
Thermus thermophilus , purification/characterization 5913.
Elongation factor Tu,
Bacillus stearothermophilus , binding-GDP, role-sulphydryl groups 5360.
Bacillus stearothermophilus , properties, magnesium, effects on 4745.
 binding GDP/GTP, kirromycin, effects on 5911.
 binding-tRNA (aminoacyl) isomers, *Escherichia coli* /yeasts 6753.
 complex formation-GTP + tRNA (aminoacyl), inhibition-pulvomycin 1914.
 complex formation-GTP + tRNA (aminoacyl), assays 4126.
 complex-GDP, *Escherichia coli* , X-ray crystallography 2967.
 complex-GDP, *Escherichia coli* , X-ray diffraction 217.
 complex-kirromycin, induction-hydrolysis GTP, role-cations 6755.
Escherichia coli , aggregates, conformation 827.
Escherichia coli , reductive methylation 1920.
Escherichia coli , tRNA (aminoacyl) 3'-terminus binding sites 5910.
 interaction-GTP, kirromycin, effects on 2965.
 interaction-tRNA, wheat germ, specificity 2941.
 mRNA, *Escherichia coli* , translation 934.
Spinacia chloroplasts, purification 4753, 4753.
Thermus thermophilus , catalytic properties, comparison-*Escherichia coli* 5914.
Thermus thermophilus , characterization, comparison-*Escherichia coli* 5915.
Thermus thermophilus , purification/characterization 5913.
Elongation factor 1,
 activity, tumours, rats/liver, hosts 4140.
Artemia salina , binding-tRNA (phenylalanyl), role-guanine nucleotides 3507.
Artemia salina , interaction-ribosomes 4135.
Bombyx mori , subunits reassociation 218.
Bombyx mori silk gland, effects on ribosomes-dependent dGTPase activity 219.
 components, reticulocytes, rabbits, identification-elongation factor Ts 6758.
 reticulocytes, rabbits, binding-RNA 2969.
 wheat germ, age, effects on 2433.
Elongation factor 2,
 diphtheria toxin-modified, yeasts, tryptic peptides, isolation/characterization 2968.
 induced ribosomes sensitization-modeccin, reticulocytes, rabbits 5359.
 reticulocytes, immobilization 832.
 reticulocytes, rabbits, binding-RNA 2969.
Embryo cells,
 chickens, acetylcholinesterase differentiation, myogenesis, RNA, effects on 306.
 DNA-binding, mice, mechanisms, 7,12-dimethylbenz(a)anthracene-diol epoxide 2581.
Embryo fibroblasts,
 chickens, Rous sarcoma virus-transformed, tRNA methylation, inhibition-adenosine (5'-deoxy-5'-S-isobutyl) 2376.
 human, DNA biosynthesis, stimulation-herpes simplex virus 2, mechanisms 2698.
 rats, uptake/fate-DNA complex-daunorubicin 7228.
Embryo myoblasts,
 chickens, poly (A)-containing RNA, diversity 1495.
Emetine,
 drug resistance, CHO cells, relationship-ribosomal protein

S20 mutation 3505.

inhibition-*Entamoeba histolytica* protein biosynthesis, binding-ribosomes 6745.

EMT6 cells,

DNA/RNA content during cell cycle 2733.

RNA biosynthesis rates, association-mitosis 2492.

Encephalitis,

herpes simplex virus, mice, treatment-uridine (5-ethyl-2'-deoxy) 3410.

Encephalomyocarditis virus,

double-stranded DNA, circular-linear conversion 4951.

double-stranded RNA, linear/circular forms 6778.

double-stranded RNA, melting/reassociation 2986.

genomes-linked proteins, comparison-poliovirus 2272.

induced RNA polymerase (RNA-dependent), activity,

inhibition-Krebs II ascites cells components antibodies 3907.

infected Krebs II ascites cells, mRNA-containing

ribonucleoproteins, characterization 5189.

polynucleotide adenyllyltransferase activity, infected L cells 745.

replicative form RNA, translation-cell-free system 4092.

RNA, covalent bonding-proteins 7470.

RNA, infectivity, amphotericin B methyl ester, effects on 3628.

RNA, mapping/electron microscopy 3537.

RNA, poly (C) tracts, sequence/location 5375.

RNA, 3'-terminus nucleotide sequences 247.

RNA, translation-reticulocyte lysate, kinetics analysis 5342.

RNA biosynthesis inhibition, relationship 2',5'-oligo (A)

polymerase activity, interferon-treated HeLa cells 5631.

RNA translation in vitro, comparison-tick-borne encephalitis virus 3046.

Endodeoxyribonuclease,

activity, Rous sarcoma virus/avian myeloblastosis virus

DNA-binding protein 1289.

Anabaena cylindrica , purification/characterization 6398.

Hemophilus influenzae exodeoxyribonuclease III-associated, characterization 509.

human KB cells, purification/characterization 508.

Endonuclease,

activation, double-stranded RNA, inhibition-protein

biosynthesis, reticulocyte lysate 932.

activity, avian myeloblastosis virus DNA polymerase (RNA-dependent) 5159.

activity, detection, nuclei, brain cells, rats 5121.

activity, *Escherichia coli* colicin E3 5123.

activity, human ataxia telangiectasia 1702.

activity, normal/xeroderma pigmentosum fibroblasts, methyl methanesulphonate-treated phage PM2 DNA 5612.

activity, radiation (u.v.)/acids/osmium tetroxide-damaged

DNA, characterization, mice plasmacytoma cells 510.

activity-single-stranded DNA, assays, use-electrophoresis 5122.

adenovirus (human) 2, cleavage specificity/mechanisms 6382.

apurinic-site-specific, *Saccharomyces cerevisiae* , purification/characterization 1163.

apurinic sites/apurimidine sites specific, DNA repair, review 4588.

apurinic sites-specific, epidermis, mice, purification/properties 6380.

avian myeloblastosis virus DNA polymerase (RNA-dependent) association, characterization 7322.

Bacillus subtilis , apurinic sites specific activity, purification/characterization 2780.

chromatin, HeLa cells, purification/properties 6379.

cleavage sites, SV40 chromatin 2860.

digestion, chromosomes, CHO cells 3972.

Endonuclease, (continued)

double-stranded RNA-specific, nucleoli, embryos, chickens/
Ehrlich ascites tumour cells, mice, localization/ribosomes
transcripts 5611.

Escherichia coli, isolation/characterization, rRNA 16S
processing 490.

foot-and-mouth disease virus, activity 845.

human fibroblasts, cleavage-damaged DNA 1162.

Micrococcus luteus, isolation/characterization, role DNA
repair, radiation (γ)-induced lesions 6383.

Micrococcus luteus, purification/characterization 1712.
mung beans, cleavage-phage T7/phage gh-1/phage PM2
DNA 488.

oligo (A)-dependent, activity, normal/interferon-treated
HeLa cells 4068.

plants, interaction-adenosine/uridine 3'-phenylphosphonic
acid esters 73.

purification/characterization, cleavage-*Bombyx mori*
silkgland tRNA precursors 2769.

pyrimidines dimers-specific, calf thymus, purification/
characterization 7303.

ribonucleoproteins, liver, rats, cleavage-mRNA precursors
3294.

Schizophyllum, DNA cutting during meiosis 7302.

Serratia marcescens, cleavage-thymus DNA, rats 2183.

Thermus aquaticus/*Bacillus stearothermophilus*, isolation
2779.

Thermus thermophilus, isolation/characterization 5124.

Endonuclease a,

Saccharomyces cerevisiae, activity-radiation (u.v.)-treated
phage T7 DNA 2767.

Endonuclease IV,

phage T4, use-nucleotide sequence determination, L cells
satellite DNA 2092.

Endonuclease V,

phage T4, sensitivity-SV40 DNA, radiation (u.v.), effects on
6286.

Endoplasmic reticulum,

liver, rats, mRNA occurrence 3521.

membranes, bound ribosomes, liver, rats, cytochrome b5/
NADPH-cytochrome reductase biosynthesis 3504.

Enflurane,

effects on RNA biosynthesis, kidneys, rats 4835.

Enolase,

mRNA, *Saccharomyces cerevisiae*, isolation/identification
1929.

Entamoeba histolytica,

protein biosynthesis, inhibition-emetine, binding-ribosomes
6745.

Enterobacter,

DNA, base composition 3110.

Enterobacteriaceae,

lipoproteins genes, DNA homology 4965.

tryptophan operon, evolution, genes fusion 5098.

Enterotoxin B,

genes, *Staphylococcus aureus* chromosomes, mapping 1281.

Enterovirus (bovine),

RNA replication, infected BHK cells 5403.

Envelope glycoprotein,

mRNA precursors, avian leucosis virus, identification 1939.

Enzymes,

association-DNA, rate 2566.

cleavage-RNA-5'-terminus proteins linkage, poliovirus,
characterization 2817.

Escherichia coli, purines insertion-DNA 4522.

inducers, microsomes, effects on DNA binding-
benzo(a)pyrene metabolites, liver, mice 4274.

Epidermal growth factor,

stimulation-DNA biosynthesis, human fibroblasts,
mechanisms 3145.

stimulation-DNA biosynthesis, human/mice cells 7126.

Epithelium,

stem cells, DNA segregation 1676.

Epstein-Barr virus,

carrying, cell lines, Herpesvirus papio superinfection,
inhibition-DNA biosynthesis 4387.

circular DNA, size, infectious mononucleosis-derived human
lymphoblastoid cell lines 3732.

DNA, detection, use-hybridization 317, 1543.

DNA, restriction endonuclease fragments, nucleotide
sequence/mapping 1005.

DNA, sequence variability 6179.

DNA, tandem repeated sequence, mapping 7048.

DNA, termini structure 7049.

DNA, transformed cells, nucleosomes structure 3731.

DNA polymerase, purification/characterization 2794.

DNA termini, detection-repeated sequence 6178.

early antigen, induction-uridine (5'-iodo-2'-deoxy),
lymphoblastoid cell lines 716.

expression-mice hybrids cells 1128.

expression/transformation, adenine arabinoside/uridine (5'-
iodo-5'-amino-2',5'-dideoxy), effects on 4641.

genomes, mapping-DNA coding-RNA fractions, infected
Nawalm cells 2624.

genomes DNA, integration-Burkitt lymphoma cells 7262.
induced DNA polymerase, characterization 3262.

inhibition-DNA metabolism, lymphocytes B 2102.

nuclear antigen, stimulation-transcription, human cell lines
5419.

replication, D98/HR-1 cells/Raji cells, associated altered
ribonucleoside-triphosphate reductase activity 1236.

RNA, occurrence-Burkitt's lymphoma, coding, DNA,
analysis 3733.

transformation-human lymphocytes B 5596.

Equine infectious anaemia virus,

complementary DNA biosynthesis 4388.

Equus przewalskii,

satellite DNA, purification/characterization 5529.

Erysiphe graminis,

Hordeum vulgare leaves ribonuclease activity during early
infection 6386.

infection, effects on ribonuclease activity, *Hordeum vulgare*
4476.

infection, *Hordeum vulgare*, rRNA/mRNA hydrolysis 4861.

Erythroblasts,

pigeons, chromatin nonhistone proteins, ribonucleoproteins,
characterization 607.

Erythrocytes,

chickens, AMP deaminase, inhibition-tetraiodofluorescein
1220.

chickens, chromatin fractions, immunological properties 616.
chickens, chromatin particles, structure 2861.

chickens, globin genes digestion-deoxyribonuclease I, role-
lysine-rich histones 2844.

chickens, high molecular weight chromatin, reconstitution
analysis 3319.

chickens, histone H1/histone H5-containing nucleosomes,
separation 3322.

chickens, histone H5, conformation 1251.

chromatin, nuclease digestion, chickens 612.

human, covalent attachment-poly (dT) 1385.

nuclei, low molecular weight RNA localization 224.

pigeons, DNA biosynthesis during anaemia 2131.

Erythroid cells,

avian, transcription regulation 4814.

chickens, mRNA/RNA (heterogeneous nuclear) sequence complexity 3557.

mice, RNA biosynthesis, prostaglandin A2, effects on 1984.

RNA biosynthesis, kinetics 3575.

Erythroleukaemia cells,

chromatin, globin mRNA biosynthesis, DNA dependence 3036.

mice, globin mRNA biosynthesis, relationship-cell cycle 889.

mice, ribonucleoproteins complex, occurrence-RNA 1245.

Erythromycin,binding-ribosomal proteins, *Escherichia coli* 2960.derivatives, binding-*Escherichia coli* ribosomes, fluorescence 819.

derivatives, inhibition-protein biosynthesis 1416.

***Escherichia coli*,**

adenosinetriphosphatase, DNA dependence, purification/characterization 4520.

alkaline phosphatase biosynthesis, induction, temperature effects 1889.

amber suppressors tRNA genes, plasmids, isolation/properties 5081.

amino acids transport, role-isoaccepting tRNA 6675.

antigen K 88 determinants, cloning/mapping/expression 3874.

arabinose operon araBAD promoter, DNA nucleotide sequence 1026.

argF gene DNA, isolation/cloning/characterization 6204.

argF gene DNA, restriction endonuclease mapping 6207.

arginine genes, tandem repeat/inverted repeat 7063.

arginine operon, control regions, cloning/restriction endonuclease analysis 7067.

Bacillus subtilis riboflavin operon cloning 2159.*Bacillus subtilis* riboflavin operons amplification 3213.*Bdellovibrio bacteriovorus* growth on, RNA-ribose metabolism, during 3021.

biotin gene-containing ColE1, isolation/characterization 3090.

biotin operon, nucleotide sequence/promoters characterization 2643.

carcinogens-induced DNA repair 5036.

catabolite activator protein, binding-DNA 3663.

cauliflower mosaic virus DNA cloning 3212.

cell-free system, *Caulobacter crescentus* phage ϕ Cp2 translation 1976.

cell-free system, DNA polymerase fidelity assays, adenosinetriphosphatase contamination, characterization 7390.

cell-free system, phage QB read-through protein biosynthesis, magnesium, effects on 6701.

cell-free system, transcription/translation-DNA, *Spinacia* chloroplasts 4100.

characterization-phage f1 specific mRNA 4234.

chromosomes, absence-transposon Tn5 homologous sequences 1787.

chromosomes, deletions, stimulation-phage Mu 1693.

chromosomes, DNA, insertion-R factor RP4 4445.

chromosomes, DNA/nucleoids structure, radiation (ionizing), effects on 6202.

chromosomes, glyS gene regions, recombination 3873.

chromosomes, initiation factor 3 structural gene regions, organization 4343.

chromosomes, integration-R factor RSF2124 x phage λ hybrids 5591.

chromosomes, localization-rRNA 16S/rRNA 23S genes 5673.

chromosomes, phage Mu integration, mechanisms 6356.

chromosomes, radiation (ionizing)-induced damage, double-stranded breakage, DNA repair 6287.

chromosomes, replication, cell division 2264.

chromosomes, replication origin, cloning 3875.

chromosomes, replication origin, nucleotide sequence 3756, 3757.

chromosomes, tRNA Tyr genes, structure/organization 4342.

chromosomes/plasmids DNA, sensitivity-restriction endonuclease 1145.

chromosomes replication, association-cell division 633.

chromosomes replication rates, relationship-morphology 1273.

cloacin DF13 ribosomes cleavage, translation fidelity/specificity 5353.

cloned genes, expression, improvements, methodology 3872.

cloned replicons, replication/gene expression 5078.

cloning/expression-synthetic Leu-enkephalin genes 6365.

cloning-hepatitis B virus DNA, restriction endonuclease mapping 5498.

cloning-hepatitis B virus genomes DNA 3862.

cloning-herpes simplex virus 1 thymidine kinase genes, recombinants plasmids characterization 7263.

cloning-*Kluyveromyces lactis* β -galactosidase genes 1696.

cloning-polyoma virus DNA, use-plasmids vectors 5093.

cloning-polyoma virus DNA, use-phage λ vectors 5094.cloning-*Saccharomyces cerevisiae* mitochondria DNA restriction endonuclease fragments, use-plasmid pMB9 5605.

ColE1, DNA insertion, effects on colicin immunity 3202.

colicin E3, endonuclease activity 5123.

construction-chickens procollagen genes sequence-containing recombinant plasmids 2745.

cytosine deamination, DNA repair, sodium bisulphite, effects on 5033.

damage/DNA repair, induction-nitrofurans 7139.

defective mutant, role-radiation (u.v.)-induced DNA repair 3149.

deletion mutant, R factor R6K, isolation/characterization 986.

deo operon genes, cloning, plasmid RSF2124 1121.

deoxyridinetriphosphatase, purification/characterization 555.

deoxyridinetriphosphatase-induction deficient phage T5 mutants uracil containing DNA biosynthesis 7384.

DNA, arabinose operon, nucleotide sequence 1025.

DNA, binding-membranes, role-DNA replication initiation 3827.

DNA, binding-oligo (A) derivatives 6961.

DNA, complex-membranes, composition/DNA biosynthesis products characterization 5569.

DNA, conformation, c.d. 6198.

DNA, cross-linking-light + trimethylporalen, induction/detection/DNA repair 6289.

DNA (cytosine-5-)-methyltransferase, purification/characterization 3927, 5167, 6448.

DNA, degradation, recA gene products, effects on 5610.

DNA, hydroxyapatite chromatography, silver/mercury, effects on 328.

DNA, radiation (γ), thymine-containing products, characterization 6114.

Escherichia coli, (continued),

- DNA, replication origin-containing fragments, replication in vitro 4338.
- DNA, segregation-F lac factor 1557.
- DNA base composition, uracil (5-bromo), effects on 5268.
- DNA-binding protein, characterization 5235.
- DNA-binding protein, purification, methodology 5676.
- DNA-binding protein defective mutant, DNA replication 5234.
- DNA-binding proteins, interaction-single-stranded DNA, fluorescence 2269.
- DNA binding-wild type/mutants lactose repressor 5681.
- DNA biosynthesis, bilharacid/tartar emetic, effects on 2721.
- DNA biosynthesis, DNA polymerase I, methylation dependence 3795.
- DNA biosynthesis, inhibition carcinogens 1669.
- DNA biosynthesis, inhibition-griseofulvin 3152.
- DNA biosynthesis, Okazaki fragments, characterization 7190.
- DNA biosynthesis, role-dnaA gene 2680.
- DNA biosynthesis/protein biosynthesis, relationship-thymine starvation-induced mutagenesis 3177.
- DNA biosynthesis/RNA biosynthesis, neothramycin, effects on 5035.
- DNA biosynthesis/RNA biosynthesis/protein biosynthesis, during glycerol-induced bacteriostasis 4415.
- DNA biosynthesis/RNA biosynthesis/protein biosynthesis, tetracycline + sodium deoxycholate, effects on 6320.
- DNA biosynthesis/RNA biosynthesis/protein biosynthesis, phage T-even infection, effects on, review 6549.
- DNA/chromosomes, comparison-*Azotobacter vinelandii* 7060.
- DNA damage agents, lethal interaction-radiation (u.v.), modification 5546.
- DNA degradation, induction-ozone 7296.
- DNA/DNA repair, radiation (u.v.), effects on 3151.
- dna gene mutation, effects on plasmid pSC101 DNA replication 4412.
- DNA gyrase, energy coupling, novobiocin, effects on 1223.
- DNA gyrase, interaction-phage T4 DNA-delay gene products/novobiocin/coumermycin 3925.
- DNA gyrase, role-phage T7 DNA, replication/transcription 3926.
- DNA gyrase, sites-specific DNA cleavage 6446.
- DNA gyrase, subunits structure/adenosinetriphosphatase activity 3274.
- DNA melting temperature, radiation (u.v.) + nitrosamines, effects on 6992.
- DNA metabolism mutants, DNA repair, psoralen/light-induced cross-links 2109.
- DNA methyl transferases, isolation/purification, use-phosphocellulose P-11 3277.
- DNA methylase, fractionation/specificity 566.
- DNA methylase recognition sequence, methylated DNA cleavage-restriction endonuclease Dpn I 5168.
- dna mutant, phage ϕ C DNA biosynthesis 1977.
- dna mutant, phage ϕ X174 DNA biosynthesis 6268.
- dna mutant, phage G13 DNA replication 1641.
- dna mutant, replication-phage G4 DNA replicative form 7107.
- DNA polymerase (RNA-dependent), alkylation, affinity labelling 4516.
- DNA polymerase (RNA-dependent), binding-tRNA 1207.
- DNA polymerase deficient mutant, R factor R6K replication 4380.
- DNA polymerase I, allosteric properties 4514.
- DNA polymerase I, catalysis-poly d(A-T) synthesis 5819.
- DNA polymerase I, catalysis-polyd(A-T) synthesis 3439.
- DNA polymerase I, DNA biosynthesis in vitro, fidelity, metals activators, effects on 4504.
- DNA polymerase I, fidelity 3915.
- DNA polymerase I, inactivation ATP (epoxy) 537.
- DNA polymerase I, inhibition-N-methylsatin- β -thiosemicarbazone-copper sulphate complex 6424.
- DNA polymerase I, interaction-Cibacron blue, comparison-phage T4 DNA polymerase 6426.
- DNA polymerase I, isolation, methodology 6428.
- DNA polymerase I, phage ϕ X174 DNA replication fidelity, metals/nucleotides pools, effects on 7370.
- DNA polymerase I, purification, methodology 7371.
- DNA polymerase I, template primer activity, DNA, nuclei, liver/cerebellum, mice 535.
- DNA polymerase I activity, plasmid pKM101/R factor R205, effects on 5634.
- DNA polymerase I activity, polyamines, effects on 1198.
- DNA polymerase I reaction mechanisms determination, use-dATP diastereoisomers 7369.
- DNA polymerase III, purification/subunits identification 5152.
- DNA polymerase III deficient, radiation (u.v.)-induced DNA repair, pyrimidines dimers transfer 7141.
- DNA primase, dnaG gene protein, inhibition-CTP (2'-deoxy-2'-azido) 1226.
- DNA recombination, cell-free system 481.
- DNA repair, 1,3-bis(2-chloroethyl)-1-nitrosourea, effects on 5549.
- DNA repair, excision, role-uvr gene 3814.
- DNA repair, nitrous acid induced damage, occurrence-specific enzymes 5032.
- DNA repair, postreplication, ts1 mutant, effects on 433.
- DNA repair, radiation (γ)-induced damage/radioprotection-indolylalkylamines/sulphur-containing compounds, mechanisms 1081.
- DNA repair, radiation (u.v.) + methyl methanesulphonate induced damage 7138.
- DNA repair, radiation (u.v.)/radiation (γ) induced damage, comparison-phage λ 7143.
- DNA repair, relationship-DNA biosynthesis/protein biosynthesis 3812.
- DNA repair, role-DNA polymerase I/DNA polymerase III 1655.
- DNA repair, role-uracil-DNA glycosylase 5175.
- DNA repair/DNA degradation, inhibition-radiation (γ) + sodium chloride 2706.
- DNA repair/recombination, radiation, synergism, effects on 1076.
- DNA replication, review 6554.
- DNA replication initiation, control 4376.
- DNA replication initiation, control, role-dnaA gene products 4377.
- DNA replication termini, mapping 6201.
- DNA replicative intermediates, size distribution 6158.
- DNA strands breakage, induction-drying 4971.
- DNA turnover, effects on DNA repair, radiation (u.v.) induced damage 5548.
- DNA-unwinding protein, formation-double-stranded DNA 643.
- dnaA mutant, DNA biosynthesis, radiation (u.v.), effects on 5030.
- dnaA mutant, plasmids Cole1/R factor R100-1/R factor

***Escherichia coli*, (continued)**

- RTF-TC/plasmid SC101 replication 7188.
 dnaB gene, ribonucleoside triphosphatase activity 1744.
 dnaB gene protein, chromatography (affinity) 1303.
 dnaB gene protein, purification/characterization 1800.
 dnaB mutant/dnaC mutant, phage ϕ K replicative form DNA replication 3801.
 dnaT mutant, DNA replication 3176.
 elongation factor G, amino acid sequence, GTP binding sites 1452.
 elongation factor G fragments, crystallization 3509.
 elongation factor Tu, reductive methylation 1920.
 elongation factor Tu, tRNA (aminoacyl) 3'-terminus binding sites 5910.
 elongation factor Tu aggregates, conformation 827.
 elongation factor Tu-GDP complex, X-ray crystallography 2967.
 elongation factor Tu-GDP complex, X-ray diffraction 217.
 endonuclease, isolation/characterization, rRNA 16S processing 490.
 enzymes, purines insertion-DNA 4522.
 error-prone DNA repair 2704.
 excision repair, rates/repair patches size, recL mutant 2110.
 exonuclease-deficient, pyrimidines dimers excision 3813.
 expression-ribosomal proteins genes, use-plasmid pNO1001 6363.
 F' factor, recombination, mutagens/DNA repair defects, effects on 5601.
 F' factors, DNA, restriction endonuclease EcoRI fragments, self-replication 7239.
 F' factors, isolation/characterization, role-integration 2549.
 F' factors, structure, electron microscopy 2600.
 F' factors containing, chromosomes replication 6510.
 F' factors transfer-*Pseudomonas fluorescens* 3214.
 F factors, DNA linkage-chromosomes, role-RNA 4442.
 F factors, tra gene, DNA mapping 4304.
 F factors DNA, restriction endonuclease mapping 1607.
 folded chromosomes, relationship-R factor R6K replicating forms 1270.
 furcoumarin photosensitization, induction-phage λ 4911.
 galactose operon, leaders sequence, insertion sequence 1 integration sites, analysis 3758.
 galactose operon, operators location/function 5599.
 galactose operon, promoters control 5598.
 β -galactosidase/ribosomal protein L12/ribosomal protein L10/elongation factor Tu mRNA, translation 934.
 galT gene, phage λ sites-specific recombination 3714.
 genes expression-cell-free system, DNA gyrase inhibition, effects on 6848.
 genomes, att ϕ 80 gene + tonB gene + trp gene regions, restriction endonuclease mapping 3111.
 gentamicin-resistant, protein biosynthesis, ribosomal protein L6 mutations, effects on 2425.
 glycerol-3-phosphate transport genes, cloning/expression 1137.
 guanine-insertion enzyme, action mechanisms 1228.
 guanine-insertion enzyme, nucleoside Q precursors bases, insertion-tRNA 5171.
 guanine-insertion enzyme, purification/characterization 5170.
 guanine insertion enzyme, use-tRNA detection, tumours 179.
 guanosine tetraphosphate degradation, mechanisms 725.
 heat-stable toxins genes, identification-transposons 4967.
 histidine operon attenuator region, nucleotide sequence 1029.
 histidine operon expression, rho gene, effects on 3024.
 histidine operon regulation regions, cloning-plasmid pBR313 5100.
 hsdM mutant, restriction endonuclease, purification/characterization 1167.
 hypoxanthine-DNA glycosylase, purification/characterization 2214.
 identification-restriction endonuclease EcoCK 5136.
 IncI plasmids-carrying, DNA metabolism, rifampicin, effects on 6288.
 infection-phages hybrids, detection-yeasts rRNA 3010.
 initiation complex formation, role-GTP 4742.
 initiation factor 1, amino acid sequence 5912.
 initiation factor 2, isolation/activity- β -galactosidase biosynthesis 1921.
 initiation factor 3, effects on rRNA 16S-ribosomal proteins cross-linking 2966.
 initiation temperature-sensitive mutant, R factor NR1/F' lac factor DNA replication 4413.
 insertion sequence 2, nucleotide sequence 2077.
 insertion sequence 3, enumeration/identification 6087.
 insertion sequences, review 1136.
 irradiated, DNA repair/damage, radiosensitization 1078.
 isoaccepting tRNA Leu, codons recognition specificity 5835.
 isolation/characterization-ColEI mutants 2149.
 isolation-phage λ DNA-membranes complex 3196.
 isoleucine-valine operon, regulation tRNA 2383.
 lacI gene, duplication, nucleotide sequence 4345.
 lacI gene, hotspots, cytosine (5-methyl) residues 1024.
 lacI gene, hotspots, nucleotide sequence 4344.
 lacI gene, nucleotide sequence 1022.
 lacI gene nucleotide sequence, relationship-nonsense mutant 1023.
 lacI gene promoter, nucleotide sequence 1021.
 β -lactamase genes, DNA repeated segments, isolation/characterization 7064.
 lactose operator, binding-lac repressor 3343.
 lactose operator-lactose repressor recognition, models 653.
 lactose operator mRNA, effects on β -galactosidase mRNA translation initiation 4243.
 lactose operon, expression in vitro, guanosine tetraphosphate, effects on 4655.
 lactose operon, recombinants plasmids, construction/mapping 6364.
 lactose operon, transposon Tn9 integration, insertion sequence generation 5099.
 lactose operon/galactose operon, polarity, AMP (cyclic), effects on 6853.
 lactose operon mRNA turnover, association-dihydrofolate reductase inhibition 1540.
 lactose promoter mRNA transcription in vitro 4806.
 lactose repressor, association-poly d(A-T) 1305.
 lactose repressor, binding-inducers 3991.
 lactose repressor, conformation, interaction-polyd(A-T), effects on 7477.
 lactose repressor, mobility, n.m.r. 4569.
 lactose repressor, structure, n.m.r. 4567.
 lactose repressor mutants, isolation/characterization 4566.
 lactose repressor mutations, characterization 650.
 leucomycin derivatives antibacterial activity, relationship-ribosomes binding 209.
 lig-ts 7 mutant, Col EI DNA replication 1068.
 linear DNA, binding-sibromycin, effects on density 4339.
 lipopolysaccharides, immune response, association-DNA biosynthesis 2735.
 lipopolysaccharides, stimulation-DNA biosynthesis, human lymphocytes 2137.

***Escherichia coli*, (continued)**

- lipoproteins genes DNA, restriction endonuclease mapping 7061.
- localization-ribosomal protein S20 genes 5508.
- lysate, in vitro transcription 1517.
- lysates, initiation factors assays 4743.
- lysine codons suppressors, isolation/characterization 2939.
- lysis, DNA, restriction endonuclease cleavage 3113.
- malB gene regions, restriction endonuclease mapping 3112.
- membrane-bound DNA, sedimentation changes, during amino acids starvation, RNA biosynthesis inhibition, effects on 3613.
- membrane vesicles, nucleosides transport 5277.
- membranes fractions, integration-phase f1 coat protein 4568.
- methylated DNA, cleavage-restriction endonuclease Dpn I 5168.
- N-methyl-N'-nitro-N-nitrosoguanidine-induced guanine (O⁶-methyl), DNA repair 2703.
- N-methyl-N'-nitro-N-nitrosoguanidine-treated, guanine (O⁶-methyl) removal-*Micrococcus luteus* DNA 7146.
- N-methyl-N-nitrosocarbamate insecticides, mutagenicity, relationship-DNA repair capacity 3154.
- methylnitrosocyanamide mutagenesis, mechanisms 3677.
- N-methyl-N-nitrosourea-induced single-stranded breakage, DNA repair, recA gene/polA1 gene/exrA gene mutations, effects on 7140.
- mice tetrahydrofolate dehydrogenase genes-containing plasmids, formation/expression 1694.
- minicells, endonuclease deficient mutant, DNA degradation 5119.
- minicells, membranes, association-plasmids ColE1 DNA replication origin/termination regions 4561.
- minicells, phase λ infected, ribosomal proteins biosynthesis/incorporation-ribosomes 4115.
- minicells, phase M13 RNA biosynthesis/protein biosynthesis 2494.
- minicells, plasmid pKB280-carrying, cloned DNA expression 3871.
- missense mutant, ribosomal protein S17, ribosomes assembly, effects on 4116.
- modified lactose repressor, characterization 651.
- mutagenesis, mechanisms, review 2885.
- mutants, differential methylation-plasmids/phase T7/phase λ DNA 7393.
- mutants, DNA association-cell membranes 7225.
- mutants, DNA polymerase I activity 5633.
- mutants, DNA repair pathway, methyl methanesulphonate induced damage 5547.
- mutants, phase Mu DNA ligase activity 5165.
- mutants, phase T7-infected, DNA packaging 6161.
- mutants, ribosomal protein S1, isolation/characterization 5345.
- mutants, tRNA, nucleoside Q precursors, occurrence-guanosine (7-(cyano)-7-deaza) 1348.
- mutants, tRNA (phenylalanyl) synthetase/tRNA (threonyl) synthetase overproduction 4088.
- mutants, RNA polymerase, role-genes regulation 6409.
- mutants, uracil (5-bromo) induced damage, DNA repair 5029.
- mutation, induction-photoinactivation 3071.
- NADH dehydrogenase genes, amplification/cloning 5101.
- nrpA mutant, DNA biosynthesis, relationship-nucleotide triphosphates pools 5014.
- nucleoids, chromosomal subunits, structure, autoradiography 6507.
- nucleoids, circular double-stranded DNA, packing, models 4341.
- nucleoids, conformation 2265.
- nucleosidediphosphate kinase, purification/characterization 2209.
- occurrence-guanosine 5'-diphosphate-3'-monophosphate, role-stringent response 3416.
- outer membranes lipoproteins, genes regions, restriction endonuclease cleavage sites 7066.
- ovalbumin biosynthesis, introns, ovalbumin genes, chickens, effects on 7270.
- peptidyltransferase, demycarosylurimycin H, effects on 3499.
- peptidyltransferase, stimulation-cytosine (6-aza)/uracil (4-thio) 4040.
- phase λ att sites, nucleotide sequence 1584.
- phase λ infection, tryptophan operon mRNA degradation 1999.
- phase ϕ X174 H gene mutants-infected, DNA biosynthesis 3800.
- phase Mu-induced DNA modification, requirements 2145.
- phase Mu integration, mutagenesis, nalidixic acid, effects of 2764.
- phase M13-infected, DNA replication, DNA-unwinding protein, effects on 5538.
- phase M13 replication, DNA polymerase I-associated exonuclease defective mutant 3142.
- phase N4-infected, RNA polymerase, association-cytoplasmic membranes 6413.
- phase N4-infected, RNA polymerase, detection/characterization 6412.
- phase Q β formation, use-phase Q β DNA-containing plasmids 1124.
- phase Q β protein biosynthesis, coat proteins, control mechanisms 4701.
- phase SP-infected, RNA polymerase (RNA-dependent), characterization 2792.
- phase SPO1-modified RNA polymerase, transcription selectivity 5620.
- phase T2/phase T4/phase T6/phase RB69-infected, tRNA, characterization 1874.
- phase T4 infected, adenosinetriphosphatase, DNA-unwinding protein, isolation/properties 5675.
- phase T4-infected, DNA precursors, nucleoside monophosphates/nucleoside triphosphates, compartmentation 127.
- phase T4 infected, RNA ligase, purification 6450.
- phase T4 mutants, transduction 7258.
- phase T7/phase T3 modification, prevention, role-ocr gene 5594.
- phagocytosis, bactericidal activity, determination-DNA release 3197.
- phenylalanine operon leader region, nucleotide sequence 1028.
- phr gene, cloning, methodology 5600.
- plasmid AP1, DNA, electron microscopy 5483.
- plasmid ColE1, DNA isolation/physical properties 984.
- plasmid pBR322, ampicillin resistance genes, nucleotide sequence 374.
- plasmid pBR322 DNA amplification, cytidine/uridine, effects on 5085.
- plasmid pPMB9 derivatives, cloning-*Saccharomyces cerevisiae* 5112.
- plasmid p307, toxins determinants, cloning 1119.
- plasmids, copy numbers 1060.

***Escherichia coli*, (continued)**

- plasmids, *Pisum sativum* chloroplasts DNA cloning 1122.
 plasmids, recombinants- β -galactosidase genes x ovalbumin
 DNA transcripts, construction/cloning 3215.
 plasmids DNA, detection, methodology 2016.
 plasmids DNA, liposomes immobilization, interaction-*Vigna*
 sinensis protoplasts 7028.
 plasmids vectors, construction 6346.
 polarity, ribosomal subunit 30S depletion, effects on 6740.
 polA5 mutant, DNA polymerase I mechanisms 2206.
 polyamines dependent mutants ribosomal subunit 30S
 ribosomal proteins/rRNA 16S methylation defects 5892.
 polyribosomes, alkaline phosphatase biosynthesis,
 association-membranes 787.
 polyribosomes, ribosomal proteins dissociation, magnesium
 starvation, effects on 6728.
 polyribosomes, ribosomal subunit 50S maturation 2420.
 polyribosomes dissociation, initiation factor 1/initiation
 factor 3, effects on 6729.
 post-conjugation recombination, spermine, effects on 4458.
 promoter-containing plasmids, synthesis/cloning 1116.
 promoters, in vitro interaction 3992.
 protein biosynthesis, inhibition-antibiotics, relationship-
 polyribosomes binding 2959.
 protein biosynthesis, initiation, kinetics 4134.
 protein biosynthesis, initiator tRNA, formylation-methionine,
 lactose operon expression polarity 1880.
 protein biosynthesis, regulation, L-1-tosylamido-2-
 phenylethyl chloromethyl ketone/kirromycin, effects on 823.
 protein biosynthesis, temperature effects 788.
 protein biosynthesis elongation, rRNA 16S cleavage-cloacin,
 effects on 1451.
 protein biosynthesis initiation, peptidyl-tRNA hydrolase,
 effects on 3508.
 protein biosynthesis initiation, rRNA 16S cleavage-cloacin,
 effects on 1450.
 protein biosynthesis/RNA biosynthesis/DNA biosynthesis,
 inhibition-phenylmercuric borate 2722.
 protein degradation, role-tRNA (valyl)/guanosine
 tetraphosphate 761.
 psoralen + radiation (light)-induced cross-links, DNA repair
 3811.
 pyrimidine nucleotides biosynthesis, exogenous adenine/
 uracil, effects on 1345.
 pyrimidines dimers excision, role-radiation (u.v.)-induced
 DNA repair 7145.
 R factor NR1 DNA replication, chloramphenicol/rifampicin,
 effects on 3808.
 R factor RP4, transfer-*Agrobacterium tumefaciens* 2151.
 R factor RSF1030, DNA replication systems,
 characterization 7187.
 R factor R46, curing-hydroxyurea/cytosine arabinoside 2916.
 R factor R538-1 DNA, transcription/translation 6850.
 R factor R6K, complementation-dependent replication 5590.
 R factor R6K hybrids, replication termini activity 2150.
 R factor R64drd11, DNA primase, purification/
 characterization 7394.
 R factors DNA, use-genes transformation 2748.
 radiation (γ), damage, oxygen effects on, photoreactivation
 1077.
 radiation (γ), pyrimidine dimers production 6990.
 radiation (γ)-induced DNA repair, protection-cysteamine
 1654.
 radiation (ionizing)-induced single-stranded breakage, DNA
 repair, nalidixic acid, effects on 3153.
 radiation (u.v.), protection-radiation (X), inhibition-
 nitrofurantoin 1079.
 radiation (u.v.)-induced damage, post-replication DNA
 repair, role-DNA polymerase I 7372.
 radiation (u.v.)-induced DNA degradation, exonuclease
 activity 6377.
 radiation (u.v.)-induced pyrimidine dimers, fate 1080.
 radiation (u.v.) mutagenesis, role-uvr gene/rec gene 2160.
 radiation (X)-treated, ATP/deoxynucleoside triphosphates
 dependent DNA repair, role-exonuclease V/exonuclease VIII
 7142.
 radiation-treated, DNA biosynthesis, role-membranes 5013.
 radiosensitization-sodium chloride, mechanisms 2705.
 rats proinsulin genes, cloning 480.
 recA gene, mapping 7062.
 recA gene products role-recombination 2765.
 recA gene proteins, catalysis-DNA recombination 6539.
 recA gene proteins, catalysis-single-stranded-superhelical
 DNA interaction 4885.
 recA gene proteins, DNA renaturation 3344.
 recombination, R factor R46/plasmid pKM101, effects on
 3206.
 recombination DNA biosynthesis during conjugation 4459.
 recombination following conjugation, mechanisms 4457.
 recombination hotspots 2763.
 regulation-guanosine pentaphosphate biosynthesis, role-
 tRNA 3'-terminus sequence 1401.
 rep gene proteins, catalysis-DNA strand separation,
 utilization-ATP 574.
 rep gene proteins, catalysis-phage ϕ X174 DNA strand
 separation 573.
 repetitive DNA 6209.
 replication origin, mapping 2641.
 restriction endonuclease, mechanisms, electron microscopy
 6395.
 restriction endonuclease EcoRI, modified activity,
 characterization 7326.
 restriction endonuclease EcoRI, substrates-dependent
 mechanisms 1171.
 restriction endonuclease fragments, association-histones
 cores, nucleosomes formation 5205.
 restriction-modification systems recognition sites, phage Fd,
 nucleotide sequence 4941.
 rho mutant, transcription termination defective, RNA
 polymerase interaction, effects on 1177.
 ribonuclease, phage T4 tRNA Pro specificity, purification/
 characterization 1706.
 ribonuclease III, cleavage-poliovirus RNA 4859.
 ribonuclease III, role-phage T4 tRNA Gln biosynthesis 5131.
 ribonuclease III-deficient, mRNA metabolism 908.
 ribonuclease III/ribonuclease IV, analysis-Rous sarcoma
 virus RNA 2459.
 ribonuclease N, characterization 503.
 ribonuclease P, separation/reconstitution-RNA + proteins
 components 7321.
 ribonucleoside-diphosphate reductase, inhibition-ADP
 arabinoside 4055.
 ribonucleoside diphosphate reductase biosynthesis,
 regulation, relationship-DNA biosynthesis 572.
 ribonucleotide reductase, tyrosine free radicals, e.s.r. 1235.
 ribosomal protein L γ , characterization, relationship-
 ribosomal protein L12/ribosomal protein L7 1427.
 ribosomal protein L1, amino acid sequence 4717.
 ribosomal protein L10, ribosomal protein L7/L12/RNA 23S
 binding sites 5346.
 ribosomal protein L11, methylation, role-guanosine
 tetraphosphate biosynthesis 4119.

***Escherichia coli*, (continued)**

- ribosomal protein L11/ribosomal protein L3 methylation genes, mapping 4969.
- ribosomal protein L12, methionine oxidation, effects on biological activity 1444.
- ribosomal protein L12 biosynthesis regulation-phase λ rifD18 DNA 5089.
- ribosomal protein L13, amino acid sequence 4716.
- ribosomal protein L22 genes mutants, ribosomal subunits assembly 6726.
- ribosomal protein L24, role-assembly 1441.
- ribosomal protein L3, amino acid sequence determination 5348.
- ribosomal protein L3/ribosomal protein L24, physicochemical properties 5873.
- ribosomal protein L7/L12, dimerization, role-N-terminus 1902.
- ribosomal protein L7/L12, interaction-ribosomes, role-dimerization 1426.
- ribosomal protein L7/L12, structure 1431.
- ribosomal protein L7/L12/ribosomal protein L10 complex, stoichiometry/reconstitution 5870.
- ribosomal protein L7-ribosomal protein L10 complex, physical properties 803.
- ribosomal protein L7/ribosomal protein L12 methylation, temperature effects 806.
- ribosomal protein S1, binding affinity-ribosomes 4104.
- ribosomal protein S1, binding-phage ϕ X174 DNA/phage MS2 RNA, effects on structure 848.
- ribosomal protein S1, DNA/RNA binding sites, structure/properties 1290.
- ribosomal protein S1, DNA/RNA binding sites, specificity/cooperativity 1291.
- ribosomal protein S1, flexibility, fluorescence polarization 5872.
- ribosomal protein S1, interaction-DNA/ribosomal subunits, binding constants determination 4266.
- ribosomal protein S1, n.m.r. 5871.
- ribosomal protein S1, ribosomes-binding fragments, characterization 4102.
- ribosomal protein S1, role-initiation complex assembly 3494.
- ribosomal protein S1, structure, comparison-ribosomal protein A 5347.
- ribosomal protein S1 genes mutation, genetic analysis 7271.
- ribosomal protein S1/ribosomal protein S8/ribosomal protein S15/ribosomal protein S16/ribosomal protein S20, X-ray crystallography 1424.
- ribosomal protein S15/ribosomal protein L21/ribosomal protein L27 genes, mapping 7065.
- ribosomal protein S18 fluorescence derivatives, use-mRNA binding studies 5878.
- ribosomal protein S4, structure, c.d. 1425.
- ribosomal protein S4-RNA 16S complex, X-ray scattering 805.
- ribosomal protein S5, amino acid sequence 3480.
- ribosomal protein S6, post-translation modification 6714.
- ribosomal protein S7, amino acid sequence 800.
- ribosomal protein S8, amino acid sequence 3481.
- ribosomal protein S8/ribosomal protein S15, binding sites, rRNA 16S, structure 5386.
- ribosomal protein S8/ribosomal protein S15 binding sites-containing rRNA 16S fragments, isolation/characterization 6732.
- ribosomal protein 30S, purification 198.
- ribosomal proteins, binding-erythromycin 2960.
- ribosomal proteins, c.d., rRNA binding, effects on 807.
- ribosomal proteins, conformation 1428.
- ribosomal proteins, conformation changes during ribosomal subunits 30S assembly 6731.
- ribosomal proteins, cross-linking-2-iminothiolane 2409.
- ribosomal proteins, heat denaturation 5874.
- ribosomal proteins, identification, methodology 4110.
- ribosomal proteins, streptomycin operon, promoters mutants, nucleotide sequence 2079.
- ribosomal proteins, streptomycin operon/spectinomycin operon, promoters, nucleotide sequence 2078.
- ribosomal proteins biosynthesis regulation-selective mRNA inactivation 6727.
- ribosomal proteins genes clusters, nucleotide sequence 4973.
- ribosomal proteins mutations, effects on aminoglycoside antibiotics response/protein biosynthesis rate/translation fidelity 4121.
- ribosomal proteins/rRNA accumulation during relaxation control 6025.
- ribosomal proteins/RNA polymerase genes, expression-plasmids clones 7273.
- ribosomal proteins/RNA polymerase/RNA biosynthesis, nutritional shifts, effects on 284.
- ribosomal proteins rplJ gene/rplL gene, cotranscription-RNA polymerase rpoBC gene 2161.
- ribosomal subunit 30S, association-DNA-binding protein 1292.
- ribosomal subunit 30S, binding-initiation factor 3, role-RNA 16S 3'-terminus 824.
- ribosomal subunit 30S, binding-initiation factor 1, role-ribosomes dissociation 826.
- ribosomal subunit 30S, binding-ribosomal protein S1, role-ribosomal protein S9 196.
- ribosomal subunit 30S, binding-tRNA fMet, poly (U) dependence 5908.
- ribosomal subunit 30S, binding-tRNA Phe 821.
- ribosomal subunit 30S, conformation, heterogeneity 5875.
- ribosomal subunit 30S, hydrodynamics, complex formation-initiation factor 3, effects on 6742.
- ribosomal subunit 30S, inactivation-ammonium 6741.
- ribosomal subunit 30S, initiation complex formation, role-initiation factor 3 825.
- ribosomal subunit 30S, localization-tRNA, electron microscopy 4105.
- ribosomal subunit 30S, nucleoproteins fragments, isolation/characterization 4714.
- ribosomal subunit 30S, radiation (u.v.) induced ribosomal protein S7-rRNA 16S cross-linking, sites, identification 3477.
- ribosomal subunit 30S, ribosomal protein S3/ribosomal protein S17, hydrodynamics 6716.
- ribosomal subunit 30S, ribosomal proteins cross-linking-RNA 16S 1429.
- ribosomal subunit 30S, ribosomal proteins, modification-2-iminothiolane 2408.
- ribosomal subunit 30S, ribosomal proteins, tertiary structure predictions 3482.
- ribosomal subunit 30S, ribosomal proteins, interaction-rRNA 16S, effects on conformation 3493.
- ribosomal subunit 30S, rRNA 16S 3'-terminus localization 6718.
- ribosomal subunit 30S, shape/conformation/stability 5876.
- ribosomal subunit 30S, structure, electron microscopy 5877.
- ribosomal subunit 30S assembly temperature-sensitive mutant, ribosomal proteins biosynthesis 5885.
- ribosomal subunit 30S-depleted, lactose operator mRNA biosynthesis/degradation 6854.
- ribosomal subunit 30S interaction-poly (U) 5894.

***Escherichia coli*, (continued)**

- ribosomal subunit 30S/ribosomal subunit 50S, c.d. 194.
 ribosomal subunit 50S, assembly, in vitro, kinetics 817.
 ribosomal subunit 50S, binding-mRNA/tRNA, role-
 ribosomal proteins 1172.
 ribosomal subunit 50S, cross-linking-2-iminothiolane,
 identification-ribosomal proteins pairs 3476.
 ribosomal subunit 50S, electron microscopy, methodology
 195.
 ribosomal subunit 50S, ethionine-containing, assembly,
 methylation dependence 3495.
 ribosomal subunit 50S, peptidyltransferase activity, role-
 ribosomal proteins 6744.
 ribosomal subunit 50S, ribonucleoproteins, purification/
 characterization 2407.
 ribosomal subunit 50S, ribonucleoproteins cores 2410.
 ribosomal subunit 50S, ribosomal proteins-rRNA interaction
 4107.
 ribosomal subunit 50S, ribosomal proteins binding-rRNA
 23S 6717.
 ribosomal subunit 50S, structure, electron microscopy 4103.
 ribosomal subunit 50S assembly temperature-sensitive
 mutant, ribosomal proteins biosynthesis 5886.
 ribosomal subunits, binding-chloramphenicol acetylated
 derivatives 2958.
 ribosomal subunits, interaction-neomycin B/kanamycin B
 6743.
 ribosomal subunits, reassociation, neutron scattering 1442.
 ribosomal subunits, RNA cross-linking-ribosomal proteins,
 use-symtriazine trichloride 3478.
 ribosomal subunits isolation, use-Sepharose chromatography
 2405.
 ribosome subunit 30S, function, role-ribosomal protein S4 N-
 terminus 804.
 ribosomes, A-site/P-site ribosomal proteins, interaction-
 tRNA 215.
 ribosomes, assembly, role-ribosomal protein S4 fragments
 2419.
 ribosomes, associated-cell cycle-reflecting proteins, isolation/
 characterization 808.
 ribosomes, binding-erythromycin derivatives, fluorescence
 819.
 ribosomes, binding-GTP (azidosalicyl), characterization
 1901.
 ribosomes, γ -carboxyglutamic acid occurrence 1903.
 ribosomes, complex-tRNA (phenylalanyl), heterogeneity
 1173.
 ribosomes, conformation, initiation factor 3/ribosomal
 protein S1, effects on 1432.
 ribosomes, conformation, spin-labelling 809.
 ribosomes, conformational analysis, use-N-ethylmaleimide
 4715.
 ribosomes, function, regulation following phage T4 infection
 210.
 ribosomes, interaction-tRNA (N-acetyl-phenylalanyl) 820.
 ribosomes, isolation, chromatography 5869.
 ribosomes, labelling-puromycin aryl azide analogues 2426.
 ribosomes, modification-N-bromosuccinimide, protein
 biosynthesis stimulation 4730.
 ribosomes, modification-2,3-dimethylmaleic anhydride 6715.
 ribosomes, n.m.r., 197.
 ribosomes, peptidyltransferase, donors/inhibitors binding
 constants 5895.
 ribosomes, peptidyltransferase, inhibition-cytidylyl-(3,5-
)adenosine phenylalanine derivatives 2423.
 ribosomes, peptidyltransferase sites, photoaffinity labelling-
 puromycin analogues 4106.
 ribosomes, photoaffinity labelling, use-azidochloramphenicol
 2406.
 ribosomes, photoaffinity labelling-puromycin,
 chloramphenicol/tetracycline, effects on 5890.
 ribosomes, photoaffinity labelling-puromycin,
 chloramphenicol-induced changes, mechanisms 5891.
 ribosomes, radiation (u.v.)-induced interaction-tRNA, cross-
 linked ribosomal proteins identification 6751.
 ribosomes, ribosomal protein S18, mRNA binding sites,
 identification 4108.
 ribosomes, tRNA (aminoacyl) translocation, inhibition-
 neomycin/kanamycin/gentamicin 1913.
 ribosomes, tRNA (peptidyl) binding sites, codons-anticodons
 interaction 5909.
 ribosomes, mRNA-binding regions, characterization 802.
 ribosomes, RNA cross-linking-ribosomal proteins, radiation
 (u.v.) 6536.
 ribosomes, RNA-proteins interaction analysis, use-cross-
 linking 1430.
 ribosomes, RNA-RNA cross-linking 801.
 ribosomes, rRNA 3'-terminus, fluorescence studies 2951.
 ribosomes, tRNA 16S, photochemical cross-linking-tRNA
 Lys/tRNA Glu 6752.
 ribosomes, structure, review 1.
 ribosomes assembly 205.
 ribosomes-associated DNA-binding protein, amino-acid
 sequence 6526.
 ribosomes-free extracts, rRNA biosynthesis, guanosine
 tetraphosphate, effects on 2510.
 ribosomes/ribosomal subunits, electron microscopy 2411.
 ribosomes/ribosomal subunits, interaction-kanamycin,
 inhibition-translocation 1443.
 ribosomes translocation assays, use-poly (U) column,
 magnesium, effects on 5351.
 tRNA (alanyl) synthetase/tRNA (lysyl) synthetase, substrate
 specificity 182.
 tRNA (aminoacyl) isomers, binding-elongation factor Tu
 6753.
 tRNA (arginy) synthetase, ATP consumption 5331.
 tRNA (arginy) synthetase, inactivation-periodate-oxidized
 tRNA 5846.
 tRNA (arginy) synthetase, reaction mechanisms, pH, effects
 on 2390.
 tRNA, bases modification, uracil (5-fluoro), effects on 6661.
 tRNA, binding-phage Q β RNA, tRNA (formylmethionyl),
 effects on 5907.
 tRNA (cysteinyl) synthetase, reaction mechanisms 5848.
 tRNA, fractionation, chromatography (column), use-
 hydroxyapatite 3441.
 rRNA, fractionation, use-electrophoresis 5935.
 tRNA (glutamyl) synthetase, purification/characterization
 4084.
 tRNA (glutamyl) synthetase, quaternary structure 4083.
 tRNA, guanosine (8-hydro-7-methyl)-containing, properties
 1402.
 mRNA, half-life 2534.
 RNA, immobilized-liposomes, uptake-*Daucus carota*
 protoplasts 4846.
 tRNA, isolation, methodology 1872.
 tRNA (isoleucyl) synthetase, inhibition-blue dextran 5850.
 tRNA (isoleucyl) synthetase, inhibition-pseudomonic acid
 1409.
 tRNA (isoleucyl) synthetase, kinetics 5849.
 tRNA (isoleucyl) synthetase/tRNA (valyl) synthetase, role-
 ilvEDA operon attenuation 1407.
 tRNA (leucyl) synthetase, inactivation-6-amino-7-chloro-5,8-
 dioxoquinone 3460.

***Escherichia coli*, (continued)**

- tRNA (leucyl) synthetase, isolation/binding properties 4692.
 tRNA (methionyl) synthetase, complex-tRNA Met, cross-linking surface analysis 3461.
 tRNA (methionyl) synthetase, inactivation-cobalt-ATP complex 5334.
 tRNA (methionyl) synthetase, inactivation-periodate treated tRNA fMet 5852.
 tRNA, methylation-*Bacillus subtilis* tRNA (adenosine-1) methyltransferase 783.
 tRNA, methylation-dimethylsulphate, specificity 5824.
 tRNA, methylation-tRNA (adenine-1)-methyltransferase, brain, rats 767.
 tRNA, modification-fluorescamine, protein biosynthesis activity 2430.
 tRNA (peptidyl) accumulation, association-cell death 4685.
 tRNA (phenylalanyl) synthetase, binding-tRNA Phe, effects on conformation 5853.
 tRNA (phenylalanyl) synthetase, catalytic properties, magnesium, effects on 6692.
 tRNA (phenylalanyl) synthetase, interaction-phenylalanine + adenylate analogues 1411.
 tRNA (phenylalanyl) synthetase, interaction-tRNA (phenylalanyl) 5335.
 tRNA (phenylalanyl) synthetase, recognition-tRNA Phe nucleotide sequence 3462.
 tRNA (phenylalanyl) synthetase, tRNA recognition sites, modification-tRNA (phenylalanyl) N-chlorambucil derivatives 1410.
 tRNA (phenylalanyl) synthetase activity, 2,4-pentanedione, effects on 775.
 tRNA (phenylalanyl) synthetase subunits, modification-N-chlorambucil-tRNA (phenylalanyl) 4087.
 mRNA, phosphorus-32 incorporation, mutagenesis 3596.
 tRNA, preparation/purification 4676.
 tRNA, protein biosynthesis activity, uridine (5-fluoro) substitution, effects on 762.
 tRNA, quantitation-guanosine (7-methyl) 4681.
 RNA, reaction-polynucleotide nucleotidyltransferase 5643.
 rRNA, stability/maturation kinetics 3614.
 tRNA, structure modifications, infected guinea-pigs/rabbits 1875.
 tRNA, suppression-*Saccharomyces cerevisiae* amber mutant genes 6369.
 tRNA, 3'-terminus fragments, binding-ribosomes peptidyltransferase 2962.
 tRNA (tryptophanyl) synthetase, chromatography (affinity) 6694.
 tRNA (tyrosinyl) synthetase, binding-AMP (tyrosinyl) 4697.
 tRNA (uracil-5-)-methyltransferase, methylation-tobacco mosaic virus tRNA 2384.
 tRNA, uridine (4-thio) enzymes, activity, genes, mapping 1271.
 tRNA (valyl) synthetase, inhibition-aminoacyl adenylates phosphonate analogues 779.
 tRNA (valyl) synthetase, reaction mechanisms 5856.
 tRNA (valyl) synthetase, substrate specificity 6698.
 tRNA (valyl) synthetase/tRNA (methionyl) synthetase, α -aminophosphonous acids substrate specificity 778.
 tRNA (valyl) synthetase/tRNA (phenylalanyl) synthetase/tRNA (methionyl) synthetase, inhibition-aminoacyl adenylates 771.
 RNA biosynthesis, inhibition-*Pisum sativum* nonhistone proteins 2514.
 RNA biosynthesis, initiation, inhibition-rifampicin, effects on gene expression 3022.
 RNA biosynthesis, relaxation-plasmid pMY3 4829.
 RNA biosynthesis, stringent control, chloramphenicol, effects on 1513.
 RNA biosynthesis/protein biosynthesis, indole acetic acid, effects on 5405.
 RNA biosynthesis/protein biosynthesis, thermal injury, effects on 5412.
 RNA biosynthesis/RNA polymerase activity, inhibition-rifampicin, mechanisms 3245.
 RNA degradation, temperature stress, effects on 4228.
 tRNA fMet, oligonucleotides fragments, joining-phage T4 RNA ligase 1871.
 tRNA fMet, 5'-terminus guanine-rich fragments, synthesis 3423.
 tRNA fMet, 5'-terminus tetranucleotides, synthesis 6631.
 tRNA fMet binding-ribosomal subunit 30S/protein biosynthesis, stimulation-spermidine 1918.
 tRNA fMet fragments, synthesis 141.
 tRNA fMet/tRNA Met aminoacylation, preferences 4695.
 rRNA fragments, effects on leucocytes/platelets formation, rabbits 7403.
 RNA gene, cloning-phase λ 3870.
 rRNA gene, restriction endonuclease mapping 4974.
 tRNA genes, transcription organization, determination, use-rifampicin 4340.
 tRNA Gly/tRNA fMet/tRNA Arg/tRNA Tyr, crystallization, structure, X-ray diffraction 1394.
 tRNA Ile aminoacylation, role-magnesium/spermine 770.
 tRNA isoaccepting species, fractionation 6658.
 tRNA Leu, purification/X-ray crystallography 4077.
 tRNA Lys, anticodons, binding-oligonucleotides 166.
 tRNA Lys, codons-induced conformation changes, radiation (u.v.) absorbance 6662.
 tRNA Met, function, role-cytidine (N^4 -acetyl) 760.
 rRNA metabolism, ribonuclease/transcription termination factor rho defective mutant 3023.
 tRNA(methionyl) synthetase, reaction mechanisms 5851.
 tRNA methyltransferase, inhibition-*Apis mellifera* pheromones 5838.
 tRNA modification-deficient mutant, characterization, use-ATP (N^6 - Δ^2 -isopentenyl) antibodies 7401.
 rRNA operons, promoters, analysis 5509.
 rRNA operons, spacer regions, nucleotide sequence 6203.
 rRNA operons regions, tRNA Ile genes nucleotide sequence 3114.
 rRNA operons transcription initiation, characterization 5991.
 tRNA Phe, chemical modification-uridine (3-(3-amino-3-carboxypropyl)), function, effects on 6664.
 tRNA Phe, nucleoside X derivatives, synthesis 3374.
 tRNA Phe, thermal unfolding 1393.
 RNA polymerase, binding-nucleotides 2189.
 RNA polymerase, binding sites mapping, *Saccharomyces cerevisiae* DNA 7075.
 RNA polymerase, chemical modification-diethylpyrocarbonate 6407.
 RNA polymerase, chromatin transcription, liver, rats, following proteins diet restriction 4484.
 RNA polymerase, chromatin transcription 5201.
 RNA polymerase, complex-adenovirus (humam) 2 DNA, poly (I), effects on 6410.
 RNA polymerase, cores enzymes, catalytic properties 5146.
 RNA polymerase, cores enzymes, structure 5145.
 RNA polymerase, inhibition-glutathione mixed disulphide, mechanisms 6402.
 RNA polymerase, interaction-lactose promoter 3345.
 RNA polymerase, interaction-lactose promoter, contact

Escherichia coli, (continued)

- location 7478.
- RNA polymerase, interaction-phage T7 DNA 336.
- RNA polymerase, interaction-promoters, plasmids/phages DNA 3892.
- RNA polymerase, interaction-RNA, GMP methyl derivatives, cap analogues, effects on 1861.
- RNA polymerase, localization-binding sites, phage S13/ phage ϕ X174 DNA, electron microscopy 2614.
- RNA polymerase, phage M13 single-stranded DNA binding sites, characterization 999.
- RNA polymerase, phage S13/phage ϕ X174 DNA binding sites, localization 380.
- RNA polymerase, phage T7 induced, binding-oligonucleotides 2790.
- RNA polymerase, phosphodiester bonds formation 1182.
- RNA polymerase, RNA biosynthesis, initiation-adenosine/FAD/NAD 6852.
- RNA polymerase, RNA chains initiation-phage T7 promoters, kinetics 6851.
- RNA polymerase, σ -subunit, purification/characterization 5144.
- RNA polymerase, topography 6408.
- RNA polymerase, transcription-phage fd replicative form DNA 6404.
- RNA polymerase, transcription-polyoma virus DNA 1721.
- RNA polymerase, transcription selectivity, adenosine tetraphosphate, effects on 2789.
- RNA polymerase, transcription-SV40 minichromosomes DNA 6825.
- RNA polymerase, transcription-synthetic oligonucleotides, products characterization 6847.
- RNA polymerase, transcription termination, RNA secondary structure, effects on 5147.
- RNA polymerase, unwinding-phage T7 promoters 7329.
- RNA polymerase, UTP (2'-deoxy-2'-fluoro), substrates 3418.
- RNA polymerase activity, regulation-stringent starvation protein 7336.
- RNA polymerase activity, rifamycins, effects on 2190.
- RNA polymerase biosynthesis 7334.
- RNA polymerase biosynthesis, β -subunit assembly mutants, regulation 3243.
- RNA polymerase initiation reaction, assays 3247.
- RNA polymerase-promoter recognition, models 1181.
- RNA polymerase promoters, identification-phage λ DNA 994.
- RNA polymerase/ribosomal proteins genes, transcription coordination 4970.
- RNA polymerase stereospecificity, adenosine 5'-O-(1-thiotriphosphate) configuration 720.
- RNA polymerase β -subunit biosynthesis, regulation, role-phage λ 1720.
- RNA polymerase β -subunit genes, association-ribosomal proteins genes 391, 1605.
- RNA polymerase β -subunit genes transcription, rifampicin, effects on 6836.
- RNA polymerase subunits, assays 7330.
- RNA polymerase temperature-sensitive mutant, lactose operon expression 7272.
- rRNA precursors cleavage, role-ribonuclease P 2179.
- rRNA processing defective mutants, occurrence-rRNA 25S 4214.
- rRNA rrnE operon/rrnA operon, identification-transcription initiation sites 6208.
- rRNA rrnE operon/rrnA operon, promoters regions, nucleotide sequence 6206.
- tRNA Trp, suppressors activity, cross-linking, effects on 6676.
- tRNA Trp genes containing DNA, structure 4966.
- tRNA Trp isomers activation 6681.
- tRNA Tyr genes, nucleotide sequence 1020.
- tRNA Tyr genes clusters, structure organization 4968.
- tRNA(valyl) synthetase complex-tRNA Val/tRNA (arginyll) synthetase complex-tRNA Arg, size 6696.
- tRNA(valyl)synthetase, fluorescence polarization 4698.
- RNA 10S, characterization 6797.
- RNA 16S, conformation changes during ribosomal subunits 30S assembly 6730.
- rRNA 16S, conformation/stability/hydrodynamics 2466.
- rRNA 16S, nucleotide sequence 2465.
- rRNA 16S, packing 4178.
- rRNA 16S, 3'-terminus fragments, oligonucleotides, synthesis 730.
- rRNA 16S, transcription-avian myeloblastosis virus DNA polymerase (RNA-dependent), kinetics 7379.
- rRNA 16S, 4,5',8-trimethylpsoralen + light-treated, properties 5388.
- rRNA 16S coding regions, nucleotide sequence homology-*Zea mays* 7105.
- rRNA 16S fragments, c.d./unfolding, binding-ribosomal protein S4, effects on 5387.
- rRNA 16S genes, nucleotide sequences 392.
- rRNA 16S rRNA gene, nucleotide sequence 1027.
- rRNA 16S 3'-terminus, oligonucleotides, biosynthesis 732.
- rRNA 23S, preparation, effects on conformation 1484.
- rRNA 23S, ribosomal protein L24 binding sites, RNA-RNA interaction 799, 2412.
- rRNA 5S, crosslinking-1,4-phenyl-diglyoxal 1466.
- rRNA 5S, interaction-ribosomal protein L5/ribosomal protein L18/ribosomal protein L25 2421.
- rRNA 5S, ribonuclease-resistant regions, relationship-ribosomal proteins L18/ribosomal protein L25 RNA binding sites 5969.
- rRNA 5S, secondary structure, temperature effects 2464.
- rRNA 5S/rRNA 23S, 5'-terminus sequence, complementary polynucleotides, synthesis 5795.
- rne mutant, RNA 9S, structure analysis 1483.
- rplL gene regulation sites, nucleotide sequence 6205.
- rRNA 16S, molecular weight, electron microscopy 1948.
- rrnB cistron, rRNA gene, containing, plasmids, isolation/restriction endonuclease mapping 5482.
- sbcA mutant, DNA repair, radiation (u.v.) induced damage 5034.
- spoT gene cloning, products identification 6362.
- spoT gene products, degradation-guanosine tetraphosphate 1229.
- strains, thymidine sensitivity 5289.
- streptomycin-resistant mutant, translation/transcription, role-ribosomal protein S12 3498.
- stringent factor, stimulation-eukaryotes ribosomal proteins 2424.
- temperature-sensitive mutant, DNA biosynthesis 4416.
- temperature-sensitive mutant, DNA biosynthesis characterization 5568.
- temperature-sensitive mutant, DNA biosynthesis/rRNA biosynthesis 6319.
- temperature-sensitive mutant, identification-RNA 9S 4145.
- temperature sensitive mutant, ribosomal proteins genes, mapping 2642.
- temperature-sensitive mutant, tRNA (glutaminyl) synthetase/tRNA, biosynthesis regulation 6688.
- temperature-sensitive mutant, tRNA (leucyl) synthetase/tRNA (seryl) synthetase levels 4085.
- temperature-sensitive mutant, tRNA accumulation, tRNA

***Escherichia coli*, (continued)**

- (aminocyl) hydrolase 763.
 temperature-sensitive mutant, rRNA biosynthesis, guanine tetraphosphate, effects on 3615.
 temperature-sensitive mutant, RNA polymerase σ subunit, identification/characterization 3896.
 temperature-sensitive mutant, tRNA precursors, characterization/processing in vitro 754.
 temperature-sensitive mutant, mRNA stability 5424.
 temperature-sensitive tRNA Trp, purification/sequence 6665.
 threonine operon regulation regions, DNA sequence 4972.
 threonine operon regulation regions, identification/restriction endonuclease mapping 3755.
 thy mutant, thymidine uptake 2336.
 thymidine transport 3406.
 thymine incorporation, characterization 1347.
 thymine starvation pretreatment, DNA replication, rifampicin/chloramphenicol, effects on 3150.
 TMP synthetase, inhibition-folate analogues, comparison-phage T2 7398.
 TMP synthetase, UMP (2'-deoxy-2'-fluoro), substrate specificity 2821.
 toluene treated, DNA polymerase I DNA repair synthesis, N-methyl-N'-nitro-N-nitrosoguanidine, effects on 5031.
 toluene-treated, DNA replication, mechanisms 3796.
 transcription, role-DNA unwinding protein 2874.
 transcription-catabolic genes, regulation, role-phosphoenolpyruvate-protein phosphotransferase 2487.
 transcription termination, RNA polymerase mutations, effects on 5621.
 transfection-phage I DNA, polyethylene glycol, effects on 6353.
 transfer-liposomes-immobilized plasmid pBR322 DNA 7248.
 transfer-*Streptomyces rimosus* kanamycin transposons, gene expression 5108.
 transformation-plasmid pBR322 DNA 1135.
 transformation-plasmids ColE1 DNA, methodology 5076.
 transformation-plasmids DNA, stage-growth 6345.
 transformation-plasmids pairs DNA 5588.
 transformation-R factor RP1 5087.
 transformation-radiation (u.v.)-treated plasmids/phages double-stranded DNA 7242.
 tRNA (methionyl) synthetase, characterization 4086.
 trpC gene, phage λ attachment sites, nucleotide sequence 3715.
 tryptophan operon, attenuator, base-pair alterations, transcription termination, effects on 909.
 tryptophan operon, mutations, carrying, DNA regions, cloning 7269.
 tryptophan operon, 3'-terminus nucleotide sequence 1485.
 tryptophan operon, transcription termination, control-translation 2515.
 tryptophan operon mRNA, endonuclease cleavage, leaders RNA production 5432.
 tryptophan operon transcription, role-termination factor rho 2488.
 tryptophanase/ β -galactosidase induction, guanosine tetraphosphate/adenosine pentaphosphate, effects on 2926.
 tuFA gene carrying, phage λ fus 3 restriction endonuclease fragments, cloning 4446.
 tuFB gene, containing, plasmids ColE1 hybrids, construction/characterization 7246.
 uptake-cloned *Haemophilus influenzae* DNA 6366.
 uracil-DNA glycosidase, damaged DNA, guanine (7-methyl) release 7399.
 uridinetriphosphatase/uracil-DNA glycosylase mutants, DNA, uracil incorporation/excision 4397.
 use-carcinogens/mutagens/antitumour agents DNA repair assays 5037.
 uvr gene, plasmids cloning/expression 6855.
 virulence, plasmids ColV derivatives cloned fragments, effects on 6334.
Eserine, effects on DNA biosynthesis, liver, rats 456, 5573.
Estradiol, receptor complex, uterus, mice, Cibacron blue inhibition-DNA binding 5682.
Ethanol, effects on deoxyribonuclease I conformation, circular dichroism 512.
 ingestion, effects on ribosomes, brain, rats 4123.
 ingestion, effects on RNA metabolism, inner membranes, mitochondria, brain, rats 6880.
Ethidium, acridine heterodimers, binding-DNA 1573.
 complex-oligonucleotides, n.m.r., DNA mutagenesis models 2930.
 dimers, use DNA/RNA determination 6082.
 homodimers, binding-DNA 1573.
 interaction-cytidylyl-(3',5')-guanosine guanylyl-(3',5')-cytidine, energetics 6639.
Ethidium azide, analogues, binding-*Salmonella typhimurium* DNA, ethidium bromide competition 5458.
Ethidium bromide, binding-DNA, histones, effects on 4537.
 binding-DNA, thermodynamics 3667.
 binding-DNA/dinucleotides 2058.
 binding-nucleosomes cores particles/chromatin, erythrocytes, chickens, comparison 7430.
 binding-oligodeoxyribonucleotides 1862.
 binding-*Salmonella typhimurium* DNA, competition-ethidium azide analogues 5458.
 complex-DNA, structure 3077.
 complex-DNA, treatment-*Trypanosoma cruzi*-infected mice strains 6968.
 complex-double-stranded DNA, fluorescence decay 3693.
 derivatives, binding-DNA 6104.
 effects on adenovirus RNA stability 849.
 effects on chromatin DNA digestion-nuclease 3879.
 effects on DNA biosynthesis, CHO cells, relationship-superhelical structure 7210.
 effects on DNA biosynthesis, mitochondria, human cells 3182.
 effects on DNA biosynthesis, *Rhodospseudomonas* spaeoides, association-chromatophores formation 4417.
 effects on heat-denatured DNA density, sodium iodide gradients 4346.
 effects on RNA biosynthesis/protein biosynthesis, mitochondria, eggs, *Salmo* 6030.
 effects on rRNA genes transcription, kidney cells, mice 6037.
 fluorescence, DNA structure analysis 4296.
 inhibition-integrated donors DNA translocation, *Streptococcus sanguis* 5106.
 interaction-potato spindle tuber viroid RNA, c.d. 4802.
 intercalation-tRNA 2373.
 bis-phenanthridinium salt, binding-DNA 1572.
 use-fluorometry, ribosomes structure, liver, rats 4113.
Ethidium monoazide, binding-DNA, fluorescence 3078.
Ethinylestradiol, binding-DNA, liver, rats 3080.

- Ethionine**, carcinogenesis, mechanisms, role-tRNA Lys, review 4600.
effects on DNA biosynthesis/rRNA biosynthesis, mitogen-stimulated lymphocytes 1106.
effects on tRNA aminoacylation, liver, rats, detection-*Xenopus* oocytes 5330.
effects on mRNA stability, free/membrane-bound polyribosomes, liver, rats 5357.
treated liver, rats, polyribosomes mRNA association-endoplasmic reticulum membranes 6053.
- Ethoxyformic anhydride**, modification-ribosomal subunit 50S peptidyltransferase activity/ribosomal protein L16 3502.
- Ethoxyquin**, feeding, effects on microsomes catalysis-DNA-benzo(a)pyrene diol epoxide adducts formation, liver, rats 5462.
- Ethyl methanesulphonate**, alkylation-purines/pyrimidines/nucleosides/nucleotides 4613.
DNA alkylation products, mice, analysis, chromatography (high-pressure liquid) 1566.
ethylation DNA, mice 2582.
treatment, phage T4, DNA repair, recombination 7131.
- Ethylene**, regulation-wounds induced ribonuclease biosynthesis, *Brassica rapa* roots tissues 4477.
- 1,1'-Ethylene-bis(1-Nitroso-urea)**, interaction-DNA/RNA 5467.
- Ethylene thiourea**, effects on RNA biosynthesis, liver, rats 6841.
- Ethyleneimine**, inhibition-DNA biosynthesis, mechanisms 3146.
- N-Ethylmaleimide**, effects on ribosomal subunit 60S elongation activity, liver, rats 3510.
use-conformational analysis, *Escherichia coli* ribosomes 4715.
- N-Ethyl-N'-Nitro-N-Nitrosoguanidine**, modification-chromatin, liver, rats, *Escherichia coli* RNA polymerase templates activity, effects on 6497.
- N-Ethyl-N-Nitroso-urea**, alkylation-poly d(A-T) 1378.
damaged DNA, guanosine (O⁶-ethyldeoxy), radioimmunoassay 4035.
reactivity-DNA/polynucleotides hydrogen bonds 6109.
2-halo derivatives, reaction-DNA, mechanisms 357.
DNA alkylation products, mice, analysis, chromatography (high-pressure liquid) 1566.
reaction sites, oxygen, DNA, normal/xeroderma pigmentosum fibroblasts/brain cells, rats 3676.
- Euglena**, bacterial DNA, uptake/fate 1115.
chloroplasts, tRNA transport 6677.
tRNA (isoleucyl), analysis, chromatography (reversed-phase) 1397.
- Euglena gracilis**, chloroplasts, DNA, coding-tRNA, cytoplasm polyribosomes 2167.
chloroplasts, DNA, mapping-rRNA gene regions 1616.
chloroplasts, DNA, mapping-rRNA 16S complementary sequence 6224.
chloroplasts, DNA, transcription regions, mapping 1035.
chloroplasts, DNA base composition heterogeneity 4358.
chloroplasts, genomes transcription during development 5413.
chloroplasts, ribosomes localization/biosynthesis 6733.
chloroplasts, rRNA gene organization 7079.
chloroplasts, RNA polymerase, characterization 514.
chloroplasts, rRNA 5S isolation/rRNA gene mapping 5517.
chloroplasts ribosomes, analysis-electrophoresis/electron microscopy 5354.
DNA content, environmental factors, effects on 6937.
DNA nucleotide sequence organization 7080.
N-formylmethionylaminoacyl-tRNA deformylase, biosynthesis/regulation 1404.
nuclei, condensed chromatin fractionation 6506.
poly (A) containing RNA, complexity during chloroplasts development 5391.
poly (A) containing RNA, transcription origin 5392.
ribosomal proteins, biosynthesis sites, chloroplasts/cytoplasm 1910.
mRNA, base composition determination, chromatography (high-pressure liquid) 1489.
tRNA (phenylalanyl) synthetase, cycloheximide, effects on 1412.
tRNA (valyl) synthetase, purification/characterization 5336.
- Eukaryotes**, cell culture, excision DNA repair, characterization 1659.
cells, DNA biosynthesis, inhibition-disulfiram 545.
chromosomes, DNA organization 1786.
chromosomes, structure, models 3333.
DNA, genomes organization, replication, review 1314.
DNA fragments, role-plasmids genes promoters 3850.
initiation complex, destabilization-ApUpG 216.
ribosomal proteins, stimulation-*Escherichia coli* stringent factor 2424.
ribosomes, purification 798.
RNA, purification/characterization, methodology 2441.
structural gene, amplification/characterization, methodology 6936.
- Eupahysosopin**, effects on DNA biosynthesis/rRNA biosynthesis/protein biosynthesis, Ehrlich ascites tumour cells 1663.
- Euplotes vannus**, chromatin fibres, electron microscopy 3313.
- Euscelis plebejus**, rRNA, characterization 1954.
- Excision-repair**, see DNA repair.
- Exodeoxyribonuclease**, liver, rats, purification/characterization 4478.
Saccharomyces cerevisiae, characterization 6390.
- Exodeoxyribonuclease III**, *Hemophilus influenzae*, associated endodeoxyribonuclease, characterization 509.
- Exo-1,4- α -Glucosidase**, mRNA, *Aspergillus niger*, stability, membrane-bound polyribosomes-associated 2467.
- Exonuclease**, activity, radiation (u.v.)-induced DNA degradation, *Escherichia coli* 6377.
DNA polymerase-associated, *Bacillus subtilis* phage PBS-2, characterization 4501.
Micrococcus radiodurans DNA polymerase I-associated, characterization 1148.
phage T7, ribonuclease H activity 1703.
ribonucleoproteins, liver, rats, cleavage-mRNA precursors 3294.
Thermus thermophilus, purification/characterization 2172.
- Exonuclease III**, use-single-stranded DNA preparation 3878.

Exonuclease V,

role-ATP/deoxynucleoside triphosphates dependent DNA repair, radiation (X)-treated *Escherichia coli* 7142.

Exonuclease VIII,

role-ATP/deoxynucleoside triphosphates dependent DNA repair, radiation (X)-treated *Escherichia coli* 7142.

F' factors,

Escherichia coli, isolation/characterization, role-integration 2549.

Fanconi's anaemia,

DNA repair, comparison-normal human fibroblasts 4408. human, DNA ligase activity, deficiency 3275.

Fatty acids,

stimulation-very low density lipoprotein production, liver, rats, role-RNA biosynthesis 2518.

Feline leukaemia virus,

DNA polymerase (RNA-dependent), antibody response, cats 4533.

Feline sarcoma virus,

strains, genomes DNA, nucleotide sequence homology 6180.

Feline syncytium-forming virus,

DNA polymerase (RNA-dependent), identification 6433. proviruses, DNA biosynthesis/integration-hosts cells genome 2104.

proviruses DNA, size/structure 7050.

Ferredoxin,

chloroplasts, biosynthesis. *Nicotiana tabacum* /*Phaseolus vulgaris* /*Chlamydomonas reinhardtii* RNA, translation-wheat germ cell-freesystem 942.

Ferritin,

biosynthesis, stimulation-iron, role-ribosomes 3469.

Festuca pratensis,

normal/non-yellowing mutant, high molecular weight rRNA characterization 2998.

Fibroblasts,

Bloom's syndrome, occurrence-hybrid DNA 2022.

chickens, DNA-binding protein, characterization, age, effects on 1795.

human, DNA-binding protein, isolation/characterization 3337.

human, DNA damage-nitrofurantoin 354.

human, DNA repair, assays 6301.

human, in vitro, ageing, exogenous DNA, effects on 3847.

human, interferon mRNA, localization 2011.

human skin, actinic keratosis, radiation (u.v.)-induced DNA repair 2713.

human skin, chromatin structure, glucocorticoids, effects on 7445.

mice, RNA biosynthesis changes during senescence 6042.

mice, satellite DNA replication, bleomycin, effects on 2115.

monkeys, mRNA activity, growth, effects on 2010.

normal/Bloom's syndrome, sister chromatid exchange, cocultivation, effects on 1781.

stimulation-RNA biosynthesis, autoradiography 3622.

transformed, chickens/ducks/quails, avian sarcoma virus DNA integration 2759.

Fibroin,

biosynthesis, *Bombyx mori* silk gland, relationship-DNA/RNA accumulation 2742.

genes, 5'-terminus nucleotide sequence 3767.

silk gland, *Bombyx mori*, mRNA 3'-terminus nucleotide sequence 6799.

Fibronectin,

mRNA, fibroblasts, embryos, chickens, purification/

characterization 6918.

Flavanone synthase,

mRNA, induction-radiation (u.v.), *Petroselinum hortense* 3626.

Flavobacterium odoratum,

DNA, heterogeneity 1608.

Florenal,

effects on influenza A virus RNA biosynthesis/protein biosynthesis 2496.

N-2-Fluorenylacetamide,

binding-DNA, assays 6979.

effects on DNA polymerase α /DNA polymerase β fidelity, liver, rats 3917.

Fluorescein mercuric acetate,

DNA unwinding, pH/sodium concentration, effects on 7011.

Fluorescence,

adenosine (etheno) derivatives, pH/metals, effects on 4629.

DNA covalent binding-benzo(a)pyrene diol epoxides 4896.

DNA-ethidium monoazide binding 3078.

Fluorescent light,

induction-DNA cross-linking/chromosome aberration, mice cells 349.

Fluoride,

effects on polyribosomes/rRNA 5355.

Fluorine,

effects on RNA biosynthesis, kidneys, rats 4835.

5-Fluoro-7,12-Dimethylbenz(a)anthracene,

binding-DNA, Syrian hamsters embryos cells, comparison-

7,12-dimethylbenz(a)anthracene 6977.

treatment, DNA repair, Syrian hamsters embryos cells 7156.

1-Fluoro-2,4-Dinitrobenzene,

interaction-tRNA Phe, yeasts, adenosine specificity 1873.

 α -Foetoprotein,

genes, quantitation, normal tissues/carcinogenesis, rats 3655.

genes DNA, insertion-plasmid pBR322, clones identification 6342.

mRNA, yolk sac, rats, translation-wheat germ cell-free

system, products characterization 6921.

mRNA, Morris hepatoma, isolation 5938.

mRNA, Morris hepatoma, purification/quantitation during development 6922.

mRNA, yolk sac, mice, isolation 5936.

Folate,

analogues, inhibition-*Escherichia coli* /phage T2 TMP synthetase, comparison 7398.

analogues, interaction human TMP synthetase 575.

Foot-and-mouth disease virus,

endonuclease activity 845.

RNA, mapping 1474.

RNA, poly (C) tracts, sequence/location 5375.

RNA 37S, 3'-terminus poly (A) segments length, relationship-infectivity 6779.

Formaldehyde,

cross-linking-histones, nucleosomes organization 1764.

digestion-chromatin 3316.

induced polynucleotides unwinding, mathematical models 5804.

induced single-stranded breakage, *Saccharomyces cerevisiae*, DNA repair 1082.

reaction-amines, products, interaction-DNA 1578.

Formaurendicarboxylic acid,

effects on chromatin structure 2857.

Formycin,

effects on RNA biosynthesis/protein biosynthesis,

Dictyostelium discoideum 278.

Formycin B,

effects on RNA biosynthesis/protein biosynthesis,

Formycin B, (continued)

- Dictyostelium discoideum* 278.
- 4-(6-Formyl-3-Azidophenoxy)butyrimidate**, cross-linking ribosomal proteins 4713.
- N-Formylmethionylaminoacyl-tRNA deformylase**, *Euglena gracilis*, biosynthesis/regulation 1404.
- Fowl plague virus**, antiviral agents, pyrimidines derivatives 1346.
- genomes RNA, 5'-terminus/3'-terminus, nucleotide sequence analysis 6780.
- recombinants, RNA, mapping 3538.
- Fowlpox virus**, DNA, characterization/molecular weight determination 1016.
- Fraxinus americanus**, cells, DNA content 1552.
- Fremyella diplosiphon**, RNA polymerase, purification/characterization 5622.
- Friend cells**, chromatin, chromosomal protein IP25, localization/characterization 7441.
- Friend erythroleukaemia cells**, chromatin, nucleosomes spacing 2851.
- differentiation, dimethylsulphoxide, effects on, review 4579.
- differentiation, DNA biosynthesis, relationship-histones biosynthesis 2691.
- Friend leukaemia virus mRNA expression, dimethyl sulphoxide + uridine (bromodeoxy) treatment, effects on 6044.
- gene expression, induction-sodium butyrate 5418.
- globin biosynthesis 3470.
- α -globin/ β -globin mRNA, stability, herpes simplex virus infection, effects on 930.
- globin mRNA transcription, interferon, effects on 3037.
- β -globin mRNA translation, control-haemin 2542.
- histones acetyl groups turnover, inhibition-sodium butyrate 1762.
- induction-haemoglobin biosynthesis, effects on globin mRNA concentration/gene expression 3039.
- mRNA/mRNA precursors, frequency distribution 228.
- poly (ADP-ribose) polymerase activity, during cell cycle/differentiation 1750.
- protein biosynthesis, stimulation-haemin 795.
- RNA, α -globin/ β -globin mRNA precursors, characterization 3563.
- RNA (heterogeneous nuclear), localization-poly (A)-containing mRNA 1959.
- tRNA levels, response-amino acids deprivation 5837.
- Friend leukaemia virus**, genomes, complementary DNA characterization 6181.
- infected cells, mice, cytoplasm, ribonucleoproteins, characterization 6465.
- infected spleen, mice, RNA polymerase, inhibition-4'-6-diamidino-2-phenylindole, dependence-templates base composition 518.
- infection, effects on deoxyribonuclease II activity, lysosomes, liver, mice 5135.
- infection, effects on DNA polymerase (RNA-dependent) activity, spleen cells, mice 6438.
- mRNA, expression-Friend erythroleukaemia cells, dimethyl sulphoxide + uridine (bromodeoxy) treatment, effects on 6044.
- RNA 70S toyocamycin, effects on, mice 4207.
- transformation-bone marrow cells, mice, in vitro, spleen focus-forming virus, effects on 4452.
- Friend virus**, infected spleen, mice, RNA polymerase I/RNA polymerase II, inhibition-thiolated poly (C) 2197.

production, infected cells, mice, toyocamycin, effects on 6597.

Frog virus 3,

combination-labelled thymidine, effects on DNA damage.

KB cells 6599.

inhibition-vesicular stomatitis virus RNA biosynthesis, BHK cells, mechanisms 1509.

Fructose-bisphosphate aldolase,

isoenzymes, mRNA, hepatoma cells, rats, characterization 3566.

Fructose-6-Phosphate,

effects on double-stranded RNA inhibition-protein biosynthesis, reticulocyte lysate 4233.

Funaria hygrometrica,

DNA content 445.

Furan,

use-pyrimidine (4,5-didehydro) trapping 6570.

Furocoumarins,

derivatives, binding-DNA, biological activity 4888.

interaction-DNA 1561.

photosensitization-*Escherichia coli*, induction-phage λ 4911.

reaction-DNA 968.

Fusarium oxysporum,

plasmids, identification 5110.

Fusobacterium nucleatum,

restriction endonuclease, characterization 3242.

restriction endonuclease, purification/characterization 3241.

Galactokinase,

mRNA, *Saccharomyces cerevisiae*, purification, methodology 4764.

Galactosamine,

effects on nonhistone proteins, liver, rats 3956.

 β -Galactosidase,

biosynthesis, activity-*Escherichia coli* initiation factor 2 1921.

genes, *Kluveromyces lactis*, cloning, *Escherichia coli* 1696.

in vitro biosynthesis, role-tRNA (formylmethionyl) 6674.

mRNA, *Escherichia coli*, translation 934.

mRNA, translation initiation, *Escherichia coli* lactose operator mRNA, effects on 4243.

Galleria mellonella,

larvae, epidermis cells, DNA biosynthesis, relationship-pupae cuticle gene expression 5572.

nuclear polyhedrosis virus, DNA size 4956.

nuclear polyhedrosis virus DNA, restriction endonuclease mapping 6187.

polyhedrosis virus, DNA structure, electron microscopy 5500.

Galliformes,

DNA, distribution-chickens endogenous oncornavirus sequence 7087.

Gallus domesticus,

see also **Chickens**

DNA sequence organization 3771.

liver, genomes DNA nucleotide sequence organization 4994.

muscles, protein biosynthesis rate 1892.

Ganglia,

human, detection-herpes simplex virus 2 RNA 5363.

Gastrin,

effects on DNA biosynthesis, fundic mucosa, dogs 430.

mRNA, antrum, hogs, detection/partial nucleotide sequence analysis 4793.

mRNA, mucosa, intestine, pigs, detection, use-

oligodeoxyribonucleotides probes 6764.

Gastrin,(continued)

role-atropine/vagotomy effects on DNA biosynthesis, stomach mucosa, rats 5025.

Gastrostyla steinii,

chromatin fibres, electron microscopy 3313.

GDP,

binding-Bacillus stearothermophilus elongation factor Tu, role-sulphydryl groups 5360.

binding-elongation factor Tu, kirromycin, effects on 5911.

complex-elongation factor Tu, *Escherichia coli*, X-ray diffraction 217.

complex-elongation factor Tu, *Escherichia coli*, X-ray crystallography 2967.

thiophosphate analogues, synthesis/binding-elongation factor Tu 6623.

Gene expression,

book 5686.

brain/liver, mice, age, effects on 910.

Friend erythroleukaemia cells, induction-sodium butyrate 5418.

Moloney leukaemia virus, organs, mice, age dependence 4190.

oviduct, chickens, oestrogen withdrawal, effects on 5407.

phage T4, patterns 1500.

phage T4, role-polynucleotide 5'-hydroxyl-kinase/ polynucleotide 3'-phosphatase 1219.

phage T4, role-RNA polymerase/termination factor rho 1501.

pituitary cells, rats, regulation-glucocorticoids 277.

mRNA, regenerating kidney, mice 3033.

tryptophan synthetase, *Saccharomyces cerevisiae*, control-bacteria insertion sequence 2 3217.

Gene 5 protein,

phage M13, interaction-oligonucleotides, n.m.r./chemically induced dynamic nuclear polarization 2364.

radiation (u.v.) cross-linking-phage fd DNA 6521.

Genes,

see also **Cistrons, Operons, etc.**

A gene, SV40 temperature-sensitive mutant, role-DNA biosynthesis initiation, transformed Chinese hamster embryo cells 1104.

actin, *Dictyostelium discoideum*, characterization 1613.

actin, *Dictyostelium discoideum*, identification/analysis 2164.

adenine phosphoribosyltransferase, transfer-cells, mammals, DNA mediated 5116.

adenosinetriphosphatase, localization, *Saccharomyces cerevisiae* petite mutant mitochondria DNA 6219.

adenosinetriphosphatase, *Saccharomyces cerevisiae* mitochondria DNA, nucleotide sequence 3119.

albumin, serum, rats, clones sequence analysis 6243.

albumin/ α -foetoprotein, quantitation, normal tissues/carcinogenesis, rats 3655.

antibodies, arrangement, chromosomes, mice 2871.

arg gene, *Saccharomyces cerevisiae*, containing, ColE1, transformation-*Saccharomyces cerevisiae* arg mutant 7247.

argF gene, DNA, *Escherichia coli*, isolation/cloning/characterization 6204.

argF gene, DNA, *Escherichia coli*, restriction endonuclease mapping 6207.

arginine, *Escherichia coli*, tandem repeat/inverted repeat 7063.

att ϕ 80 gene + tonB gene + trp gene regions, *Escherichia coli* genomes, restriction endonuclease mapping 3111.

Bevi gene, integration-C-type virus DNA, man cell hybrids

2753.

cI gene, phage λ , nucleotide sequence 2608.

cloned, *Escherichia coli*, expression, improvements, methodology 3872.

cloned, β -globin, nucleotide sequence, mice 2666.

clusters, tRNA Tyr, *Escherichia coli*, structure organization 4968.

conalbumin, chickens, DNA mapping 6235.

copa gene, localization, adjacent-satellite DNA, *Drosophila melanogaster* heterochromatin 1620.

cytochrome c, yeasts, identification/isolation 2082.

cytochrome c, yeasts, transcription regulation 6865.

deo operon, *Escherichia coli*, cloning, plasmid RSF2124 1121.

Dm142 gene, *Drosophila melanogaster*, characterization 2663.

dnaA gene, role-DNA biosynthesis, *Escherichia coli* 2680.

dnaB gene, *Escherichia coli*, ribonucleoside triphosphatase activity 1744.

dnaB gene, protein, *Escherichia coli*, chromatography (affinity) 1303.

dnaB gene, protein, *Escherichia coli*, purification/characterization 1800.

D5 gene, products, phage T5, DNA-binding protein, characterization 2873.

enterotoxin B, *Staphylococcus aureus* chromosomes, mapping 1281.

env gene, oncornavirus (avian), characterization 1011.

env gene, RNA, oncornavirus (avian), nucleotide sequence 1010.

Escherichia coli/plasmids, expression-cell-free system, DNA gyrase inhibition, effects on 6848.

evolution, bacteria, role-DNA sequence repetition 7266.

expression, eukaryotes, post transcription/translation control, review 5710.

expression, stem cells, teratocarcinoma, mice, relationship-RNA splicing 6824.

expression regulation, role-DNA repetitive sequence 6846.

F gene, phage ϕ X174, nucleotide sequence 2605.

fibrin, 5'-terminus nucleotide sequence 3767.

α -foetoprotein DNA, insertion-plasmid pBR322, clones identification 6342.

gag gene, squirrel monkey virus, mapping 3748.

gag gene/pol gene, products, avian sarcoma virus, protein biosynthesis 3045.

gene A, proteins, phage ϕ X174, purification/characterization 6381.

gene A, regulation-DNA biosynthesis, SV40 temperature-sensitive mutant 6278.

gene G, phage ϕ X174, construction-deletion mutant 5090.

gene II proteins, cleavage sites, phage fd DNA, localization 4315.

gene III/gene VI/gene I, phage M13, nucleotide sequence 6155.

gene P, cloning, effects on DNA replication, phage λ 5020.

gene VII, phage M13, nucleotide sequence 2612.

gene 0-3, expression, phage T7, translation control 1978.

gene 1, DNA, phage T7, nucleotide sequence 7040.

gene 20, role-DNA packaging, phage T4 heads 1590.

gene 32, mRNA, translation, regulation-phage T4 DNA-binding protein 3981.

gene 39/gene 52, phage T4, products complex, purification/DNA-unwinding protein activity 7261.

gene 41, proteins, phage T4, purification 7468.

gene 43/gene 44/gene 45/gene 62, proteins, phage T4, purification 7467.

gene 44/62/gene 45 proteins, catalyzed, ATP hydrolysis,

Genes,(continued)

- phage T4, DNA recognition sites 554.
 gene 44/62/gene 45 proteins, stimulation-phage T4 DNA polymerase 532.
 gene 45/gene 44/gene 62, phage T4, transcription/translation 4210.
 gene 5, DNA binding protein, complex-DNA, n.m.r. 2230.
 gene 5/gene 3, products, phage T7, role-recombination 3721.
 globin, chickens embryos/adults, analysis 1622.
 β globin, DNA, β -thalassaemia, restriction endonuclease mapping 6248.
 globin, erythrocytes, chickens, digestion-deoxyribonuclease I, role-lysine-rich histones 2844.
 β -globin, human β thalassaemia, structure 6247.
 β globin, intervening sequence, comparison-mice/rabbits 1624.
 γ -globin, loci structure, human foetuses 3783.
 β -globin, mice, DNA organization 4998.
 α globin, organization, human DNA, restriction endonuclease mapping 2671.
 α -globin/ β -globin, cloned, mice, sequence analysis, comparison 2668.
 β -globin/ α globin, isolation/characterization, cloned human DNA 2563.
 β -globin/ δ globin, localization, haemoglobin/haemoglobin Lepore 1628.
 α -globin/ β globin, quantitation, mice, use-cloned DNA hybridization 4364.
 β -globin/ γ -globin, sheep, double-stranded DNA, synthesis/cloning/characterization 7288.
 α globin structural gene, identification, chickens 3129.
 glyceraldehyde phosphate dehydrogenase, *Saccharomyces cerevisiae*, isolation/characterization 6220.
 glycerol-3-phosphate transport, *Escherichia coli*, cloning/expression 1137.
 glycoproteins, influenza A virus, characterization 4167.
 growth hormone, rats, intervening sequence, identification 5527.
 H gene mutants, phage ϕ X174, DNA biosynthesis, infected *Escherichia coli* 3800.
 heat-stable toxins, *Escherichia coli*, identification-transposons 4967.
 histones, activity, during embryogenesis, *Paracentrotus lividus*, mRNA characterization 3031.
 histones, analysis, DNA, *Stylonychia mytilus* macronuclei 3116.
 histones, HeLa cells, transcription unit localization 3789.
 histones, organization, chickens genomes DNA 4993.
 histones, *Psammochinus miliaris*, 3'-terminus sequence 6475.
 his4 gene, *Saccharomyces cerevisiae*, products purification/characterization 7277.
 human insulin, oligodeoxyribonucleotides, synthesis 2355.
 human syntenic, segregation, induction-uridine (5-bromodeoxy) 108.
 hypoxanthine phosphoribosyltransferase, transfer, mice cells 4468.
 immunoglobulins, differentiation, review 1331.
 immunoglobulins heavy chains, excision/splicing, mRNA production, mechanisms 6343.
 immunoglobulins heavy chains, location-human chromosomes 7449.
 immunoglobulins heavy chains, mice, sequence homology 5524.
 immunoglobulins heavy chains, organization, mice, analysis, use-myeloma clone 4365.
 immunoglobulins light chain, containing, mice DNA clones, characterization 1625.
 immunoglobulins light chains, DNA fragments, nucleotide sequence 7089.
 immunoglobulins light chains, formation-sites-specific recombination 7285.
 immunoglobulins light chains, liver/myeloma, mice, cloning/characterization 7286.
 immunoglobulins light chains, mice, recombination sites, nucleotide sequence 7091.
 immunoglobulins light chains, nucleotide sequence, mice 2667.
 in vitro recombination, review 5705.
 int gene, phage λ , transcription 6818.
 int gene, products, phage λ , DNA-unwinding protein activity 7456.
 iso-1-cytochrome c, *Saccharomyces cerevisiae*, nucleotide sequence 4983.
 isolation-eukaryotes DNA 2562.
 J gene, regions, phage G4, nucleotide sequence, comparison phage ϕ X174 2072.
 lacI gene, cloning-plasmid PMB9 1118.
 lacI gene, *Escherichia coli*, duplication, nucleotide sequence 4345.
 lacI gene, *Escherichia coli*, hotspots, cytosine (5-methyl) residues 1024.
 lacI gene, *Escherichia coli*, hotspots, nucleotide sequence 4344.
 lacI gene, *Escherichia coli*, nucleotide sequence 1022.
 lacI gene, *Escherichia coli*, nucleotide sequence, relationship-nonsense mutant 1023.
 lacI gene, promoter, *Escherichia coli*, nucleotide sequence 1021.
 β -lactamase, *Escherichia coli*, DNA repeated segments, isolation/characterization 7064.
 Leu-enkephalin, polynucleotides, synthesis 3424.
 Leu-enkephalin, synthetic, cloning/expression-*Escherichia coli* 6365.
 leu2 gene, containing, plasmids, use-isolation/characterization-*Saccharomyces cerevisiae* chromosomes DNA fragments 6951.
 lipoproteins, *Escherichia coli*, restriction endonuclease mapping 7061.
 localization, use-chromosomes fractionation 5228.
 loci, γ -globin, human, restriction endonuclease mapping 5531.
 lysozyme, chickens, isolation/characterization 6233.
 lysozyme, chickens, organization 3128.
 lysozyme mRNA, cloning 484.
 malB gene regions, *Escherichia coli*, restriction endonuclease mapping 3112.
 manipulation, bacteria, review 3354.
 mapping, influenza B virus RNA 2455.
 mapping, use-radiation (u.v.), review 5713.
 mot gene, mutation, phage T4, effects on RNA biosynthesis 3018.
 mutagenesis, radiation (u.v.)-induced, *Saccharomyces cerevisiae*, cdc mutant, effects on 7150.
 nif gene, *Klebsiella pneumoniae*, cloning, review 4576.
 nif gene, *Klebsiella pneumoniae*, mapping 6210.
 nif gene, sequence, *Klebsiella pneumoniae*, cloning/characterization 7068.
 O gene, phage λ , nucleotide sequence 377.
 ocr gene, prevention-phage T7/page T3 modification, *Escherichia coli* 5594.
 old gene, role-phage P2-phage λ interference 477.
 organization, influenza A virus recombinants 6184.
 ovalbumin, chickens, cloned, organization/5'-terminus

Genes,(continued)

- nucleotide sequence 3773.
 ovalbumin, chickens, cloning 5114.
 ovalbumin, chickens, cloning/organization 4362.
 ovalbumin, chickens, intervening sequence mutation, cloning 4467.
 ovalbumin, chickens, introns, nucleotide sequence analysis 4363.
 ovalbumin, chickens, junctions regions, nucleotide sequence 3774.
 ovalbumin, chickens, leader sequence 1050.
 ovalbumin, chickens, restriction endonuclease Eco RI fragments, characterization 2665.
 ovalbumin, chickens, transcription 2490.
 ovalbumin, cloning, DNA, chickens 483.
 ovalbumin, DNA, liver, chickens, cloning/molecular organization 5520.
 ovalbumin, intervening sequences, chickens 402.
 ovalbumin, oviduct, chickens, in vitro transcription, oestrogen, effects on 3588.
 ovalbumin, structure/organization 4992.
 ovalbumin gene, chickens, sequence 1046, 1047.
 ovomucoid, chickens, DNA mapping/electron microscopy 3772.
 phage ϕ X174, products analysis 2153.
 phage T7 DNA, modification-alkylated RNA 6094.
 phr gene, *Escherichia coli*, cloning, methodology 5600.
 pol gene, Rous sarcoma virus, role-recombination 3867.
 proinsulin, rats, cloning-*Escherichia coli* 480.
 protamine, number/frequency, *Salmo gairdneri* testis 3054.
 quantitation, DNA, errors 4292.
 rec gene, role-*Escherichia coli* radiation (u.v.) mutagenesis 2160.
 recA gene, *Escherichia coli*, mapping 7062.
 recA gene, products, effects on DNA degradation, *Escherichia coli* 5610.
 recA gene, proteins, *Escherichia coli*, catalysis-single-stranded-superhelical DNA interaction 4885.
 recA gene, proteins, *Escherichia coli*, catalysis-DNA recombination 6539.
 recA gene, proteins, *Escherichia coli*, DNA renaturation 3344.
 recA gene/polA1 gene/exrA gene, mutations, *Escherichia coli*, effects on DNA repair, N-methyl-N-nitrosourea-induced single-stranded breakage 7140.
 recombination, review 6550.
 recombination during *Bacillus subtilis* transformation, role-DNA methylase 7268.
 recombination exchange, review 5690.
 recombination/selection, role *Bacillus subtilis* evolution 7267.
 regulation, role-*Escherichia coli* mutants RNA polymerase 6409.
 regulation-phase λ repressors, review 668.
 rep gene proteins, *Escherichia coli*, catalysis-phase ϕ X174 DNA strand separation 573.
 rep gene proteins, *Escherichia coli*, catalysis-DNA strand separation, utilization-ATP 574.
 repressors, transposon Tn3 translocation, plasmid pMC391, identification/characterization 7251.
 rho gene, effects on histidine operon expression, *Escherichia coli* 3024.
 ribosomal protein L22, *Escherichia coli* mutants, ribosomal subunits assembly 6726.
 ribosomal protein S1, mutation, *Escherichia coli*, genetic analysis 7271.
 ribosomal protein S20, localization-*Escherichia coli* 5508.
 ribosomal proteins, clusters, *Escherichia coli*, nucleotide sequence 4973.
 ribosomal proteins, *Escherichia coli* temperature sensitive mutant, mapping 2642.
 ribosomal proteins/RNA polymerase, CoIE1, *Escherichia coli*, gene amplification, effects on transcription/translation 7238.
 ribosomal proteins/RNA polymerase, *Escherichia coli*, expression-plasmids clones 7273.
 ribosomal proteins rplJ gene/rplL gene/RNA polymerase rpoBC gene, cotranscription, *Escherichia coli* 2161.
 ribulosebiphosphate carboxylase subunits, location-*Zea mays* chloroplasts genome 3140.
 tRNA, *Escherichia coli*, transcription organization, determination, use-rifampicin 4340.
 mRNA, localization-DNA, mitochondria, liver, rats 5528.
 tRNA, nucleosomes DNA, embryos, chickens, purification/cloning 7282.
 tRNA, phage BF23, mapping 1592.
 tRNA, phage T4, isolation, tRNA biosynthesis in vitro 4264.
 tRNA, *Saccharomyces cerevisiae* mitochondria DNA, mapping 4982.
 tRNA, *Schizosaccharomyces pombe* /*Drosophila melanogaster*, transcription *Xenopus laevis* germinal vesicle extracts 749.
 rRNA, transcription, kidney cells, mice, ethidium bromide, effects on 6037.
 rRNA, *Xenopus laevis* cells, spacer sequence transcription 6872.
 tRNA Cys/tRNA His, *Saccharomyces cerevisiae* mitochondria, nucleotide sequence 7076.
 tRNA Ile, *Escherichia coli* rRNA operons regions, nucleotide sequence 3114.
 tRNA Ile, localization-*Spinacia oleracea* chloroplasts DNA 7291.
 RNA polymerase/ribosomal proteins, transcription, coordination, *Escherichia coli* 4970.
 RNA polymerase β -subunit, *Escherichia coli*, transcription, rifampicin, effects on 6836.
 tRNA Tyr, cloned, yeasts, transcription/processing, *Xenopus laevis* oocytes 4831.
 tRNA Tyr, *Escherichia coli*, nucleotide sequence 1020.
 tRNA Tyr, structure/organization, *Escherichia coli* chromosomes 4342.
 tRNA Tyr, yeasts, cloning-phase λ 3877.
 tRNA Tyr suppressors, DNA, enzymatic synthesis 5817.
 tRNA Tyr suppressors, promoters regions, synthesis 5816.
 tRNA Tyr suppressors, promoters regions digodeoxyribonucleotides, synthesis 5792.
 tRNA Tyr suppressors, synthetic, cloned, transcription/biological activity 5990.
 tRNA Tyr suppressors, synthetic, transcription 5989.
 tRNA Tyr suppressors, termini regions oligodeoxyribonucleotides, synthesis 5793.
 tRNA Val, *Drosophila melanogaster* chromosomes, localization/characterization 5227.
 tRNA Val, yeasts, 5'-terminus fragments, synthesis 5796.
 rRNA 16S/rRNA 23S, localization-*Escherichia coli* chromosomes 5673.
 rRNA 18S, cloned, human, analysis 1629.
 RNA 18S, *Saccharomyces cerevisiae*, nucleotide sequence 2654.
 rRNA 18S/rRNA 28S, activity, relationship-embryonic development, parthenogenone, mice 1699.
 rRNA 19S/rRNA 26S, containing chromatin, *Physarum polycephalum*, structure 3762.
 rRNA 23S, mitochondria, *Saccharomyces cerevisiae*,

Genes,(continued)

insertion sequences, characterization 5514.
 rRNA 25S, *Tetrahymena pigmentosa*, intervening sequence 4347.
 RNA 4S, *Chlamydomonas reinhardtii*, localization-chloroplasts genomes 2648.
 rRNA 5.8S, localization-chromosomes, human/mice 5672.
 rRNA 5S, *Drosophila melanogaster*, cloning, mapping/nucleotide sequence determination 4989.
 rRNA 5S, evolution, vertebrates 3125.
 RNA 5S, location-lampbrush polytene chromosomes, *Drosophila* 5670.
 rRNA 5S, organization, *Vicia faba* 3139.
 RNA 5S, replication, HeLa cells, S phase 423.
 rRNA 5S, tandem repeats, lethal mutation, corrections mechanisms, *Xenopus* 3126.
 RNA 5S, transcription-*Xenopus laevis* extract 1522.
 rRNA 5S, *Xenopus laevis*-deletion mutant, analysis 4466.
 rplL gene, regulation sites, *Escherichia coli*, nucleotide sequence 6205.
 rpo gene, ColE1, location/expression 7237.
 S gene/U gene, mapping, phage Mu DNA 3718.
Saccharomyces cerevisiae amber mutant, cloning, suppression-*Escherichia coli*, role-tRNA 6369.
 silent gene, rRNA, human x mice hybrids cells, reactivation-SV40 6887.
 silk fibroin, *Bombyx mori* DNA, mapping 399.
 spoT gene, products, *Escherichia coli*, degradation-guanosine tetraphosphate 1229.
 src gene, activation, Rous sarcoma virus, induction-DNA biosynthesis, myotubes, embryos, chickens 1646.
 src gene, avian sarcoma virus, nucleotide sequence, occurrence-uninfected vertebrates 946.
 src gene, avian sarcoma virus, translation/proteins characterization 2004.
 src gene, proteins, avian sarcoma virus, identification 2156.
 src gene, Rous sarcoma virus, proteins characterization 1532.
 structural gene, bradykinin, synthesis 5317.
 structural gene, eukaryotes, amplification/characterization, methodology 6936.
 structural gene, identification, use-R-looping 5368.
 structural protein, adenovirus (human) 2, regulation 2155.
 structural protein, vesicular stomatitis virus genomes RNA, mapping 6792.
 synthesis, methodology 4057.
 tetracycline resistance, plasmid pBR313/plasmid pBR322, promoters, characterization 7027.
 tetrahydrofolate dehydrogenase, mice, containing, plasmids, formation/expression, *Escherichia coli* 1694.
 thymidine kinase, herpes simplex virus 1, cloning-*Escherichia coli*, recombinants plasmids characterization 7263.
 thymidine kinase, herpes simplex virus 1, chromosomes-mediated transfer, cell lines, mice 7290.
 tra gene, *Escherichia coli* F factors, DNA mapping 4304.
 transformation, avian leucosis virus MC29, nucleotide sequence 1593.
 transformation, DNA-mediated, *Neurospora crassa* 7275.
 trpC gene, *Escherichia coli*, phage λ attachment sites, nucleotide sequence 3715.
 tumorigenesis, avian myelocytomatosis virus, nucleotide sequence detection-chickens fibroblasts DNA 7098.
 uvr gene, *Escherichia coli*, plasmids cloning/expression 6855.
 uvr gene, role-DNA repair, excision, *Escherichia coli* 3814.
 uvr gene, role-*Escherichia coli* radiation (u.v.) mutagenesis 2160.
 vesicular stomatitis virus, oligonucleotides fingerprinting 4173.

Genetic code,

origin, review 5696.

Genetic engineering,

book 3998, 4571.
 industrial applications, review 4587.
 microorganisms, review 5703.
 nitrogen fixation, book 5248.
 nitrogen fixation, plasmids, use-cloning vectors, review 4583.
 use-restriction endonuclease, review 5258.

Genetics,

microorganisms, medical applications, review 4603.

Genomes,

avian leucosis virus, endogenous/exogenous, mapping 1936.
 cyanobacteria, size 6200.
 DNA, African green monkeys, repeated sequence, organization 7096.
 DNA, *Glycine max*, sequence organization 4370.
 DNA, human spermatozoa, characterization 3787.
 double-stranded RNA, bluetongue virus, structure 4165.
 homology, C-type virus (gibbon) strains 2454.
 human, DNA repair 3820.
 Marek's disease virus, transcription, lymphoblastoid cell lines, chickens 3581.
 mice, DNA organization 4999.
 mitochondria, *Saccharomyces cerevisiae*, mapping, review 7.
 non-repetitive, homology-nuclear RNA, comparison-normal/regenerating liver, rats 3560.
 nuclear, DNA, *Pennisetum typhoides*, characterization 5534.
 regulation-expression, Rous sarcoma virus/Rous-associated virus 1129.
 Sendai virus defective-interfering particles, structure 2273.
 sequence, N-tropic/xenotropic oncornavirus, transcription-BALB/c cells, mice 5923.

Gentamicin,

effects on protein biosynthesis activity 2957.
 inhibition-tRNA (aminoacyl) translocation, *Escherichia coli* ribosomes 1913.

Gentamicin C,

inhibition-DNA biosynthesis/RNA biosynthesis, *Staphylococcus aureus* 3155.

Geotrichum candidum,

ribosomal subunits, structure, electron microscopy 2414.

Gerbils,

transcription/translation, experimental stroke, effects on 1995.

Germ cells,

mice, DNA polymerase, characterization 3910.

Geryon quinquedens,

genomes, repetitive DNA organization 3122.

GH cells,

prolactin mRNA regulation, use-complementary DNA probes 6925.

GH3 cells,

growth hormone precursors mRNA, detection 5931.

Gibberellic acid,

effects on chromatin-bound RNA polymerase, *Zea mays* shoots 7338.

effects on DNA cytosine (5-methyl) content, *Lattuca sativa* 1073.

effects on DNA reassociation kinetics, *Daucus carota* 2675.
 effects on RNA biosynthesis/DNA biosynthesis, *Pinus pinea* seeds 1986.

effects on RNA metabolism, *Hordeum*, following dark germination 4824.

effects on RNA metabolism, review 2888.

induction-RNA biosynthesis, *Impatiens balsamina* 6017.

Gibbon ape leukaemia virus.

infected tissues, detection-proviruses DNA sequence 4868.
RNA mapping, location-non homologous sequence 3549.
transmission (vertical), gibbons 2754.

Gilial cells,

brain, rabbits, protein biosynthesis/RNA biosynthesis 5996.

Globin,

biosynthesis, Friend erythroleukaemia cells 3470.

biosynthesis, reticulocyte lysate, rabbits, inhibition-caps analogues 3471.

complementary DNA, embryos, mice, cloning-plasmid pBR322 7284.

complementary DNA, rabbits, purification, use-recombinant plasmids 2027.

genes, chickens embryos/adults, analysis 1622.

genes, erythrocytes, chickens, digestion-deoxyribonuclease I, role-lysine-rich histones 2844.

genes, human DNA, restriction endonuclease analysis 1055.

genes, synthetic, human, insertion-bacteria plasmids 1700.

genomes sequence, goats, containing, recombinant DNA, isolation/characterization 7287.

peptides, size distribution, mRNA, role-mRNA 3645.

precursors, mRNA 15S, blood cells, chickens, introns detection 6806.

mRNA, binding-initiation factor 2, reticulocytes, rabbits 5918.

mRNA, biosynthesis, erythroblasts, chickens, avian erythroblastosis virus, effects on 270.

mRNA, biosynthesis, erythroleukaemia cells, mice, relationship-cell cycle 889.

mRNA, biosynthesis, erythroleukaemia cells chromatin, DNA dependence 3036.

mRNA, chromatin, foetal liver, mice, transcription specificity 6876.

mRNA, chromatography (affinity) fractionation-ribosomal subunit 40S initiation factors, muscles, chickens embryos 4746.

mRNA, concentration, gene expression, Friend erythroleukaemia cells, haemoglobin biosynthesis induction, effects on 3039.

mRNA, defects, haemoglobin Lepore 4795.

mRNA, deficiency, reticulocytes, Belgrade rats 1536.

mRNA, determination-precursors size 245.

mRNA, embryos, mice, isolation/characterization 882.

mRNA, precursor, mice, nucleotide sequence 881.

mRNA, precursors, occurrence-erythrocytes, ducks 4147.

mRNA, primers-influenza virus RNA transcription in vitro 894.

mRNA, rabbits, nucleotide sequence 1494.

mRNA, rabbits, translation-human cell lines, following liposomes-mediated insertion 2538.

mRNA, rabbits, translation in vitro, caps requirement 4242.

mRNA, rabbits, translation-lymphocytes, mice, following liposomes-mediated insertion 2537.

mRNA, rabbits reticulocyte lysate, quantitation/localization 6765.

mRNA, sheep, accumulation/gene expression 916.

mRNA, 5'-terminus caps, transfer-influenza virus complementary RNA, during transcription 4778.

mRNA, transcription-Friend erythroleukaemia cells, interferon, effects on 3037.

mRNA, translation in vitro, role-guanosine (7-methyl) 314.

mRNA biosynthesis, embryo erythroid cells, mice, relationship-globin biosynthesis 888.

RNA sequence, occurrence-human leukaemia cells 2436.

mRNA translation, inhibition-translation control RNA, embryos muscles, chickens 2442.

mRNA 15S, interaction-proteins, ribonucleoprotein

(messenger), polyribosomes, reticulocytes, ducks 7415.

mRNA 9S, chickens, interaction-eukaryotes rRNA 4157.
specific, DNA, chromatin, distribution 615.

 α -Globin,

genes, cloned, mice, sequence analysis, comparison- β -globin 2668.

genes, isolation/characterization, cloned human DNA 2563.
genes, mice, quantitation, use-cloned DNA hybridization 4364.

genes, organization, human DNA, restriction endonuclease mapping 2671.

mRNA precursors, Friend erythroleukemia cells RNA, characterization 3563.

mRNA, content, bone marrow cells, rabbits 5930.

mRNA, β -globin mRNA ratio, spleen, mice 3644.

mRNA, human, 5'-terminus methylation, characterization 256.

mRNA, interaction-initiation factor 2, competition- β -globin 5919.

mRNA, mice, 5'-terminus non-coding regions, nucleotide sequence 1955.

mRNA, rabbits, caps structure, comparison- β -globin 2472.

mRNA, stability, Friend erythroleukaemia cells, herpes simplex virus infection, effects on 930.

structural gene, chickens, identification 3129.

 β -Globin,

cloned genes, nucleotide sequence, mice 2666.

complementary DNA, rabbits, insertion-SV40, transcription-kidney cells, monkeys 3869.

genes, cloned, mice, sequence analysis, comparison- α -globin 2668.

genes, human, organization 1627.

genes, human β -thalassaemia, structure 6247.

genes, intervening sequence, comparison-mice/rabbits 1624.

genes, isolation/characterization, cloned human DNA 2563.

genes, localization, haemoglobin/haemoglobin Lepore 1628.

genes, mice, DNA organization 498.

genes, mice, quantitation, use-cloned DNA hybridization 4364.

genes, rabbits, DNA methylation, tissues specificity 2669.

genes, sheep, double-stranded DNA, synthesis/cloning/characterization 7288.

like, mRNA, occurrence-haemoglobin Lepore 5929.

mRNA precursors, Friend erythroleukemia cells RNA, characterization 3563.

precursors mRNA, sequence organization 254.

rabbits, complementary DNA, point mutations, cloned plasmids 2089.

mRNA, content, bone marrow cells, rabbits 5930.

mRNA, α -globin mRNA ratio, spleen, mice 3644.

mRNA, human, 5'-terminus methylation, characterization 256.

mRNA, human β -thalassaemia, nucleotide sequence 5984.

mRNA, interaction-initiation factor 2, competition- α -globin 5919.

mRNA, mice, 5'-terminus non-coding regions, nucleotide sequence 1955.

mRNA, rabbits, caps structure, comparison- α -globin 2472.

mRNA, stability, Friend erythroleukaemia cells, herpes simplex virus infection, effects on 930.

mRNA, 3'-terminus, role-in vitro translation 3646.

mRNA, translation-Friend erythroleukaemia cells, control-haemin 2542.

 γ -Globin,

genes, loci, human, restriction endonuclease mapping 5531.

genes, loci structure, human foetuses 3783.

γ -Globin, (continued)

genes, sheep, double-stranded DNA, synthesis/cloning/characterization 7288.

mRNA, human, 5'-terminus, nucleotide sequence 1054.

mRNA, human, 3'-terminus, nucleotide sequence 2476.

 δ -Globin,

genes, human, organization 1627.

genes, localization, haemoglobin/haemoglobin Lepore 1628.

Globulin,

biosynthesis, *Vicia faba* cotyledons, relationship-RNA metabolism/membrane-bound polyribosomes 6894.

 α -Globulin,

protein biosynthesis/mRNA, hepatocytes, rats, induction-glucocorticoids, in vitro 793.

mRNA, induction-glucocorticoids, hepatocytes, inhibition-cycloheximide 6015.

mRNA, induction-glucocorticoids, liver, castrated rats 1893.

mRNA, liver, rats, induction-actinomycin D 4209.

stimulation-exogenous DNA uptake, L cells 4438.

translation, control-growth hormone, liver, rats 1895.

***Gloeocapsa alpicola*,**

radiation (u.v.)-induced damage, DNA repair 7152.

Glucocorticoids,

agonists/antagonists, regulation-growth hormone biosynthesis/mRNA levels, pituitary cell lines, rats 3013.

effects on chromatin structure, pituitary tumour cells, rats/human skin fibroblasts/lymphoma cells, mice 7445.

effects on DNA biosynthesis, liver, rats 429.

effects on protein biosynthesis initiation, skeletal muscle/heart, rats 791.

induction- α -globulin protein biosynthesis/mRNA, hepatocytes, rats, in vitro 793.

induction- α -globulin mRNA, hepatocytes, inhibition-cycloheximide 6015.

induction- α -globulin mRNA, liver, castrated rats 1893.

receptors, binding-DNA, analysis 364.

receptors, liver, rats, DNA binding site, pyridoxal, effects on 654.

receptors complex, interaction-DNA, liver, rats, kinetics 3995.

regulation-DNA biosynthesis/DNA polymerase, pancreas, rats 7123, 7124.

regulation-gene expression, pituitary cells, rats 277.

Glucose,

stimulation-proinsulin mRNA, pancreas, rats 2400.

Glucose-6-Phosphate dehydrogenase,

mRNA, liver, rats, carbohydrates-induced biosynthesis 291.

 β -Glucuronidase,

mRNA, activity, mice, control-Gus gene Gur locus 3643.

Glutamic acid,

effects on puffing patterns, *Drosophila melanogaster* chromosomes 1275.

excretion, *Citrobacter intermedius*, role-plasmids DNA 7223.

Glutamine synthetase,

mRNA, control-hydrocortisone, retina, chickens embryos 271.

mRNA, levels, *Neurospora crassa*, regulation-nitrogen sources 3047.

mRNA, retina polyribosomes, chickens embryos, interferon suppression-induction 6068.

Glutathione,

inhibition-protein biosynthesis initiation, mechanisms 829.

radioprotection-radiation (γ) treated calf thymus DNA 3073.

Glyceraldehyde-phosphate dehydrogenase,

genes, *Saccharomyces cerevisiae*, isolation/characterization 6220.

mRNA, *Saccharomyces cerevisiae*, isolation/identification 1929.

Glycerol,

effects on lactose repressor-operator interaction 1304.

effects on RNA polymerase activity, liver, rats 522.

stimulation-transcription, eukaryotes 1175.

use-DNA biosynthesis preservation, HeLa cells, during low temperature storage 4428.

Glycerol-3-Phosphate,

transport genes, *Escherichia coli*, cloning/expression 1137.

Glycine,

effects on DNA biosynthesis, human bone marrow cells 459.

***Glycine max*,**

binding-*Salmonella typhimurium* DNA, autoradiography 3201.

cells/protoplasts, DNA biosynthesis, exponential/uridine (fluorodeoxy) synchronized cultures, comparison 2738.

cotyledons, ribosomes, ribonuclease activity 493.

genomes DNA, sequence organization 4370.

hypocotyls, *Phytophthora megasperma* infection,

actinomycin D/blasticidin S-mediated resistance, role-mRNA biosynthesis/protein biosynthesis 279.

hypocotyls, RNA polymerase/chromatin templates activity, auxins, effects on 2192.

hypocotyls, RNA polymerase interaction chromatin, induction-auxins 2193.

leghaemoglobin genes, preparation-complementary DNA/localization 2169.

leghaemoglobin genes DNA, cloning 6374.

mitochondria, DNA, characterization 415.

mitochondria, DNA, restriction endonuclease analysis 5533.

nuclei, fate-phage fd DNA 471.

ribonucleotide reductase/DNA polymerase, characterization 4523.

tRNA Leu, purification/characterization 5324.

tRNA Leu, ribosomes binding/cytokinins content 5325.

RNA polymerase, auxins sensitivity, role-development 7335.

roots/*Rhizobium*-infected nodules, poly (A)-containing mRNA sequence complexity 6811.

seeds, occurrence-storage proteins mRNA 3649.

seeds, mRNA/polyribosomes, isolation 202.

suspension culture, polyribosomes associated poly (A)-containing RNA, stability 4186.

suspension culture cells, poly (A)-containing RNA, sequence complexity 5988.

***Glycine soja*,**

mitochondria, DNA, restriction endonuclease analysis 5533.

Glycinin,

biosynthesis, wheat germ cell-free system 5343.

Glycopeptides,

asparagine-bound, horses pancreas ribonuclease, primary structure 1154.

complex-oligonucleotides, antitumour activity 5312.

Glycoproteins,

occurrence-wheat germ ribosomes, aggregation-concanavalin A 1909.

mRNA, Semliki Forest virus, translation, mechanisms 5430.

Glycosyltransferases,

genes, carrying plasmids, selection 3852.

rfa gene, carrying plasmids, selection 3853.

- Glycyl-glycine**, complex-copper (II) + 5-fluorouracil + water, synthesis/characterization, e.s.r. 686.
- Glycyl-tyrosine**, complex-palladium, coordination-ATP/ADP 5784.
- GMP**, alkyl esters, interaction-ribonuclease T1, kinetics 502. analogues, imidazo[1,2-a]-s-triazine, synthesis/antiviral activity 2306. binding-sodium, correlation time 6622. complex-copper, spectroscopy (i.r.)/e.s.r./magnetic susceptibility 5304. complex formation-pyrene 2923. interaction-ribonuclease I, spectroscopy (u.v.) 1707. methyl derivatives, cap analogues, effects on RNA-initiation factors/RNA polymerase 1861. reaction-hypochlorous acid 5300. reaction-p-nitroacetophenone, role-radiosensitization 5303. self-assembly 2347. 8-tert-butyl/8-(α -hydroxyisopropyl) derivatives, synthesis/conformation 4652. zwitterion, characterization 721.
- dGMP**, interaction- β -alanine derivatives 1367.
- GMP (cyclic)**, effects on RNA release, liver nuclei, rats 2001.
- GMP (dibutyryl cyclic)**, effects on chromatin phosphorylation/proteins content, salivary gland, rats 2859.
- GMP (7-Methyl)**, analogues, inhibition-translation re-initiation, sensitivity, reticulocyte lysate 831. antibodies, rabbits, isolation/characterization 5177.
- Goats**, chromosomes, repetitive DNA, characterization 2090. satellite DNA, comparison-sheep 3781.
- Gold**, interaction-yeasts RNA, kinetics 2446. photosensitization-DNA 334.
- Gomphosphaeria aponina**, DNA biosynthesis, salinity effects 4420.
- Gorilla gorilla gorilla**, rRNA gene distribution, comparison-*Pan troglodytes* / *Gorilla gorilla beringei* / man 3055.
- Gossypium**, seeds, tRNA isolation 4075.
- Gramicidin D**, dissociation-DNA-tyrocidine complex 1560.
- Granuloma**, cells, rats, DNA/RNA metabolism, silicon oxide-treated macrophages supernatants, effects on 6316. lung, rabbits, DNA content 2023. rats, DNA, damage-muagens 6987.
- Griseolutein**, inhibition-DNA biosynthesis, *Escherichia coli* 3152.
- Growth factors**, stimulation-DNA biosynthesis initiation, fibroblasts, mice 6282.
- Growth hormone**, biosynthesis, pituitary, sheep, oestrogen, effects on 5862. biosynthesis/mRNA accumulation, pituitary, rats, thyroid hormones, effects on 6009. biosynthesis/mRNA levels, regulation-triiodothyronine/ glucocorticoids agonists/antagonists, pituitary cell lines, rats 3013. control- α -globulin translation, liver, rats 1895. effects on albumin mRNA levels, liver, rats 3591. fragments, cattle, stimulation-protein biosynthesis/RNA biosynthesis/DNA biosynthesis, fibroblasts, human 191. genes, rats, intervening sequence, identification 5527. precursors, mRNA, detection, GH3 cells 5931. mRNA, induction-thyroid hormone, pituitary, rats 2507.
- GTP**, binding-elongation factor Tu, kirromycin, effects on 5911. complex formation-elongation factor Tu + tRNA (aminoacyl), inhibition-pulvomycin 1914. complex-initiation factor 2, reticulocyte lysate, rabbits, haeme-controlled translation inhibition, mechanisms 4750. hydrolysis, induction-elongation factor Tu complex-kirromycin, role-cations 6755. interaction-elongation factor Tu, kirromycin, effects on 2965. regeneration, effects on translation errors frequency 5857. role-initiation complex formation, *Escherichia coli* 4742. role-initiation complex formation, reticulocytes, rabbits 5306.
- GTP (azidosalicyl)**, binding-*Escherichia coli* ribosomes, characterization 1901.
- GTP (O⁶-Methyldeoxy)**, synthesis/properties 3385.
- dGTPase**, activity, ribosomes-dependent, *Bombyx mori* silk gland, elongation factor 1, effects on 219.
- Guanine**, + uracil, role-RNA helix stability 6773. amino groups, acidity 3368. analogues, imidazo[1,2-a]-s-triazine, synthesis/antiviral activity 2306. binding-zinc 5724. complex-arganyl-glutamic acid 6558. complex formation-7,7,8,8-tetracyanoquinodimethane 38. complex-zinc, n.m.r./spectroscopy (i.r.) 2903. derivatives, binding-riostin A 673. derivatives, spectroscopy (i.r.)/spectroscopy (Raman) 22. protonated, binding-anions 680. reaction-terbium, fluorescence, DNA/rRNA 847. residues, detection-*Candida utilis* rRNA 5S 1950. separation-nucleoside (deoxyribo), use-chromatography (high performance liquid) 5740. transport, *Streptococcus lactis* 4036. triallyl phosphate derivatives, synthesis 5730.
- Guanine (8-Aza)**, inhibition-hypoxanthine phosphoribosyltransferase, mice 5735. interaction-vitamin B12a, kinetics/thermodynamics 1805.
- Guanine (3-Deaza)**, derivatives, synthesis/antiviral activity 3365.
- Guanine (3,9-Dialkyl)**, synthesis 2307.
- Guanine (1,7-Dimethyl) 3-Oxide**, reaction-anhydrides 1804.
- Guanine (1,9-Dimethyl)**, reaction-tetraammineruthenium 21.
- Guanine (9-(2-Hydroxyethoxymethyl))**, effects on herpes simplex virus 1 infection, mice 4644. herpes simplex virus, antiviral agents, phosphorylation-thymidine kinase 3922.
- Guanine (9-[2-Hydroxyethoxymethyl])**, treatment-herpes simplex virus cornea ulcers, man 2908.
- Guanine (methyl)**, separation-chromatography (gas-liquid) 3366.
- Guanine (O⁶-Methyl)**, accumulation-DNA, mammary gland, rats, N-methyl-N-nitrosourea, effects on 6984.

Guanine (O⁶-Methyl),(continued)

distribution-DNA, organs, rats, following pretreatment-N-methyl-N-nitrosourea 6110.

enzymatic removal DNA, mammals cells extracts 2122.

excision, DNA, liver, rats, dimethylnitrosamine, effects on 7159.

excision, DNA repair, dimethylnitrosamine-induced damage, liver, rats 2712.

excision, DNA repair, dipropylnitrosamine/diethylnitrosamine pretreatment, effects on 7161.

formation, dimethylnitrosamine-induced, DNA, liver/kidney, rats 1567.

N-methyl-N'-nitro-N-nitrosoguanidine induced, DNA repair, *Escherichia coli* 2703.

N-methyl-N'-nitro-N-nitrosoguanidine induced, DNA, lymphoblastoid cell lines, xeroderma pigmentosum, excision selectivity 5562.

removal-DNA, liver/kidney, rats/mice, inhibition-dimethylnitrosamine 1089.

removal-*Micrococcus luteus* DNA use-N-methyl-N'-nitro-N-nitrosoguanidine-treated *Escherichia coli* 7146.

Guanine (1-Methyl),

transformation-CHO cells 5265.

Guanine (3-Methyl),

synthesis 2307.

Guanine (7-Methyl),

adenovirus (human) 2 mRNA 5'-terminus caps, antibodies recognition 5948.

distribution-DNA, dimethylnitrosamine-treated rats 1052.

Escherichia coli uracil-DNA glycosidase release-damaged DNA 7399.

transformation-CHO cells 5265.

Guanine (9-Methyliso),

structure, X-ray diffraction 23.

Guanine (6-Thio) nucleoside,

synthesis 697.

Guanine (6-Thio) nucleotide,

synthesis 697.

Guanine (6-Thio),

inhibition-hypoxanthine phosphoribosyltransferase, mice 5735.

Guanine arabinoside,

2'-azido-2'-deoxy/2'-amino-2'-deoxy derivatives, synthesis 5271.

derivatives, synthesis/antitumour activity 5747.

Guanine deaminase,

brain, pigs, purification/characterization 1227.

Guanine-insertion enzyme,

Drosophila melanogaster, role-nucleoside Q biosynthesis 2815.

Escherichia coli, use-tRNA detection, tumours 179.

Escherichia coli, action mechanisms 1228.

Escherichia coli, nucleoside Q precursors bases, insertion-tRNA 5171.

Escherichia coli, purification/characterization 5170.

interaction-Q factor, amniotic fluid, cattle 6684.

rabbits erythrocytes, purification/characterization 2944.

Guanine nucleosides,

D- mannofuranose, synthesis 68.

Guanine nucleotides,

HeLa cells, incorporation-*Chlamydia psittaci* 6318.

role-*Artemia salina* elongation factor 1 binding-tRNA (phenylalanyl) 3507.

Guanosine,

N-acetoxy-2-acetylaminofluorene-modified, antibodies reactivity 5649.

analogues, imidazo[1,2-a]-s-triazine, synthesis/antiviral

activity 2306.

caps analogues, inhibition-brome mosaic virus mRNA

translation-wheat germ cell-free system 6911.

combination-uracil (5-fluoro), potentiation-chemotherapy

activity, sarcoma, mice 5737.

derivatives, interaction-copper 700.

nitrogen isotopes substituted, spectroscopy (Raman) 6592.

nitrosourea derivatives, synthesis/antitumour activity 5763.

reaction-trimethyl phosphate 1829.

residues, localization-oligonucleotides, methodology 2365.

5'-terminus, protecting groups, polynucleotides synthesis 139.

8-tert-butyl/8-(α -hydroxyisopropyl) derivatives, synthesis/conformation 4652.

Guanosine (acyclo),

herpes simplex virus 1 keratitis treatment, rabbits 3409.

Guanosine (7-(cyano)-7-Deaza),

occurrence, nucleoside Q precursors, tRNA, *Escherichia coli* mutants 1348.

Guanosine (1-Deaza),

synthesis 699.

Guanosine (1-Deaza-8-Aza),

synthesis, methodology 4630.

Guanosine (deoxy),

carcinogens adducts, DNA double helix, models 3063.

effects on cytokinesis, *Allium sativum* 5288.

effects on human lymphocytes, growth/function 4642.

effects on lymphocytes T/lymphocytes B 103.

interaction-actinomycin D, c.d. 1830.

interaction-spin labelled platinum-containing drugs 6583.

Guanosine (2'-Deoxy),

alkylation-chloroethyl ethyl sulphide, products

characterization 1827.

Guanosine (α -2'-Deoxythio),

pharmacology/toxicology, cancer patients 5287.

Guanosine (7-Ethyl),

containing, mRNA 5'-terminus caps, reovirus, biosynthesis/translation 6906.

Guanosine (O⁶-Ethyldeoxy),

ethylnitrosourea damaged DNA, radioimmunoassay 4035.

Guanosine (1-Methyl),

reaction-tetraammineruthenium 21.

Guanosine (2-N-Methyl),

structure, X-ray diffraction 97.

Guanosine (3-Methyl),

synthesis 2325.

Guanosine (7-Methyl),

antibodies, inhibition-*Antheraea polyphemus* chorion mRNA translation-wheat germ cell-free system 7400.

caps, role-vesicular stomatitis virus/reovirus mRNA translation 3638.

native/alkali-hydrolyzed, recognition-antibodies 4526.

quantitation-*Escherichia coli* tRNA 4681.

role-globin mRNA translation in vitro 314.

Guanosine (6-Thio),

incorporation, BHK cells, use-RNA isolation,

chromatography (affinity) 4156.

Guanosine (2',3',5'-Tri-O-acetyl),

6-O-mesitylene sulphonyl derivatives, structure, X-ray diffraction 98.

Guanosine diphosphate,

Proteus mirabilis, purification/structure 4653.

Guanosine 5'-Diphospho-5'-Guanosine,

occurrence-*Artemia salina* embryos 121.

Guanosine nucleotides,

complex-elongation factor G + ribosomes, dissociation 4744.

Guanosine pentaphosphate,

biosynthesis, regulation, role-tRNA 3'-terminus sequence,

Guanosine pentaphosphate,(continued)*Escherichia coli* 1401.**Guanosine tetraphosphate,**

biosynthesis, role-ribosomal protein L11 methylation,

Escherichia coli 4119.degradation, *Escherichia coli*, mechanisms 725.degradation-*Escherichia coli* spoT gene products 1229.

effects on colicin E1/colicin E3 biosynthesis 726.

effects on *Escherichia coli* lactose operon expression in vitro 4655.effects on rRNA biosynthesis, *Escherichia coli* ribosomes-free extracts 2510.effects on rRNA biosynthesis, *Escherichia coli* temperature-sensitive mutant 3615.effects on tryptophanase/ β -galactosidase induction, *Escherichia coli* 2926.role-protein degradation, *Escherichia coli* 761.**Guanosine 5'-Triphospho-5'-Adenosine,**occurrence-*Artemia salina* embryos 121.**Guanosine 5'-Diphosphate-3'-Monophosphate,**occurrence/role-stringent response, *Escherichia coli* 3416.**Guanosinetriphosphatase,**

activity, initiation factor 2-dependent, regulation 3270.

Guanyl-(3',5')-Cytidine,

interaction-ethidium/9-aminoacridine/proflavine, energetics 6639.

Guanyltransferase,

mRNA, vaccinia virus, activity, characterization 568.

mRNA, vaccinia virus, purification 567.

Guerin tumour,

DNA biosynthesis/RNA biosynthesis, inhibition-radiation, hypothermia, effects on 4433.

Haemanthamine,effects on DNA biosynthesis, *Allium cepa* roots 7219.**Haeme,**

controlled inhibitors, mechanisms, protein biosynthesis

regulation, reticulocyte lysate, rabbits, use-immune serum 4710.

controlled inhibitors, reticulocyte lysate, rabbits, translation inhibition mechanisms 4748.

Haemin,control- β -globin mRNA translation 2542.

control-protein biosynthesis, translation repressors formation/activity, dithiothreitol, effects on, reticulocytes, rabbits 1422.

control-protein biosynthesis, translation repressors,

reticulocytes, rabbits 1899.

stimulation-protein biosynthesis, Friend erythroleukaemia cells 795.

Haemoglobin,

biosynthesis, role-tRNA His, reticulocytes, rabbits 766.

haemoglobin Lepore, globin mRNA/DNA defects 4795.

mRNA, *Artemia salina*, absence during gastrulae development 6914.

mRNA, structure, o.r.d./c.d./spectroscopy (u.v.) 879.

 β -Haemoglobin,

mRNA sequences, assays during haemoglobin A-

haemoglobin C switching, sheep 226.

Haemoglobin A,

human, gene expression, role-mRNA stability 1896.

Haemophilus,

transformation, sequence-specific DNA uptake 3861.

Haemophilus aphrophilus,

methylated DNA, cleavage-restriction endonuclease MspI 513.

Haemophilus ducreyi,

plasmids, characterization, mediated antibiotic resistance, ampicillin 4866.

Haemophilus gallinarum,

DNA-unwinding protein, purification/characterization 7460.

Haemophilus influenzae,cloned DNA, uptake-*Escherichia coli* 6366.

DNA biosynthesis/RNA biosynthesis/protein biosynthesis, association-competence 1095.

exodeoxyribonuclease III, associated

endodeoxyribonuclease, characterization 509.

 β -lactamase genes-containing plasmids, characterization 4301.

plasmid pLU121/plasmid pFR16017, DNA characterization/transfer 3096.

R factors, characterization 6347.

restriction endonuclease, purification/characterization 5137.

transforming DNA, inactivation-proflavine 4271.

Haemophilus parainfluenzae,

membrane vesicles, DNA binding activity 6527.

methylated DNA, cleavage-restriction endonuclease MspI 513.

Halobacterium cutirubrum,

ribonucleoproteins, stabilization-potassium chloride 584.

ribosomal subunit 50S, RNA 5S-ribosomal proteins complex, purification/characterization 1904.

rRNA 5S, complex-proteins characterization, RNA-binding protein 6528.

rRNA 5S proteins complex, structure analysis 5244.

Halobacterium halobium,

cloned replicons, replication/gene expression 5078.

plasmids, DNA, characterization 7020.

Halogens,

nucleoside (2'-deoxyribo) derivatives, synthesis, methodology 5274.

Halothane,

inhalation, effects on RNA precursors uptake, liver, mice 3032.

Hamsters,see also **Chinese hamsters**

embryo cells, DNA, binding-7,12-

dimethylbenz(a)anthracene/benzo(a)pyrene, light, effects on 2574.

embryo cells, DNA, uridine (5-bromodeoxy) + radiation (u.v.), induction-neoplastic transformation 960.

embryo fibroblasts, transformation-herpes simplex virus 1 restriction endonuclease fragments 2168.

fibroblasts, polynucleotide adenyltransferase, characterization 161.

heterochromatin, function, review 2293.

liver, dimethylnitrosamine-induced DNA methylation, methylated purines, formation/loss 5042.

liver, dimethylnitrosamine-treated rRNA, methylated products, analysis 4159.

mitochondria, rRNA 13S, occurrence-cytidine (N⁴-methyl) 1492.

protein biosynthesis, tRNA (phenylalanyl) binding, muscular dystrophy, effects on 4127.

Hapalosiphon wetwitschii,

DNA biosynthesis/RNA biosynthesis/protein biosynthesis, penicillin G, effects on 6020.

Harman,

effects on DNA biosynthesis/DNA repair, human alveolar tumour cells 5052.

Harman,(continued)

effects on radiation (u.v.)/spontaneous mutagenesis, Chinese hamsters cells 3164.

Heart,

rats, protein biosynthesis initiation, fasting, effects on 828.

rats/mice, DNA biosynthesis, doxorubicin, effects on 2117.

Heat shock,

loci, *Drosophila melanogaster*, sequence organization/transcription 1621.

Hedamycin,

binding-DNA/chromatin, testis/liver, rats 339, 592.

interaction-phage PM-2 closed circular DNA 6101.

HeLa cells,

adenosine (N-6-methyl)-labelled mRNA, frequency 918.

adenovirus (human) 2 DNA accumulation-nucleosomes-like particles 6484.

adenovirus (human) 2-infected, DNA biosynthesis, aphidicolin, effects on 7132.

adenovirus (human) 2 infected, RNA biosynthesis initiation 3007.

adenovirus (human) 2-infected, RNA/proteins, comparison-cytoplasmic/nuclear polyribosomes 5947.

adenovirus (human) 5 infected, proteins-DNA association, in vitro 4562.

cell-free system, translation-poliovirus RNA, characterization-initiation products 4132.

chromatin, binding-chlorozotocin/1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea 3311.

chromatin, DNA, double-stranded breakage-adrenalone aromatic reductones 358.

chromatin, endonuclease, purification/properties 6379.

chromatin, nucleosomes, poly (ADP-ribose) polymerase localization 618.

chromatin, nucleosomes periodicity 4544.

chromatin RNA, covalent linkage-double-stranded chromosomes DNA 6512.

chromatin structure, histone H1 phosphorylation, effects on 5664.

cytoplasmic RNA, circular forms detection-electron microscopy 6808.

DNA, damage-macromomycin 2043.

DNA, methylation patterns 3135.

DNA, radiation (u.v.), pyrimidine dimers excision 2717.

DNA-binding protein, isolation/characterization 3337.

DNA biosynthesis, cis-platinum diamminedichloride(II), effects on 4409.

DNA biosynthesis, radiation (γ), effects on 1661.

DNA biosynthesis/DNA polymerase α /DNA polymerase β /DNA polymerase γ activity, aphidicolin, effects on 5049.

DNA biosynthesis initiation 2692.

DNA biosynthesis preservation, during low temperature storage, use-glycerol 4428.

DNA biosynthesis/RNA biosynthesis, neothramycin, effects on 5035.

DNA biosynthesis stimulating factors, characterization 1105.

DNA polymerase α , separation/binding-DNA 1736.

DNA polymerase α /DNA polymerase β , polyanions, effects on 539.

DNA polymerase β stimulating protein, isolation/characterization 1737.

DNA repair, induction-carcinogens, assays 1091.

DNA repair, induction-neocarzinostatin 2120.

DNA repair, inhibition-aphidicolin 5563.

DNA replication, comparison-CHO cells/human fibroblasts 6330.

DNA replication, radiation (γ), effects on 3823.

guanine nucleotides, incorporation-*Chlamydia psittaci* 6318.

G1 phase, DNA replication, radiation (γ), effects on 7172.

herpes simplex virus 2, DNA polymerase induction, inhibition-2-mercapto-1-(β -4-pyridethyl)benzimidazole 2797.

histones, deacetylation, sodium butyrate, effects on 600.

histones, N-terminus-lacking, DNA folding 597.

histones genes, transcription unit localization 3789.

histones mRNA translation control, role-proteins phosphorylation 3051.

initiation complex formation, inhibition-poliovirus infection 5361.

interferon-treated, 2',5'-oligo (A) polymerase activity, relationship-encephalomyocarditis virus RNA biosynthesis inhibition 5631.

interferon-treated, 2',5'-oligo (A) polymerase, assays 6419.

low molecular weight RNA biosynthesis, sensitivity-radiation (u.v.) 6022.

lysosomes, ribonuclease, characterization 7315.

mitochondria, replication origin-containing DNA fragments, nucleotide sequence 3788.

neocarzinostatin-induced DNA damage/DNA repair 7174.

normal/interferon-treated, oligo (A) stability, oligo (A)-dependent endonuclease activity 4068.

nuclear DNA replication/methylation, timing 6267.

nuclei, chromatin structure, role-histone H1 6487.

nuclei, DNA biosynthesis, role-DNA polymerase α /DNA polymerase β /DNA polymerase γ 5637.

nuclei, ribonucleoprotein (heterogeneous nuclear), characterization 588.

nucleosides uptake, inhibition-IMP (nitrobenzylthio) 2351.

nucleosides uptake during replication cycles 5278.

poly (A)-containing RNA (heterogeneous nuclear), mRNA sequence content 3564.

radiation (u.v.)-induced DNA damage 5469.

radiation (u.v.)-treated, DNA/RNA binding-psoralen derivatives 6969.

radiation (u.v.)-treated, single-stranded DNA breakage 353.

radiation (X) induced DNA repair, cytosine arabinoside, effects on 3824.

radiation (X)-induced DNA repair, hyperthermia, effects on 6305.

ribonuclease, isolation/characterization 492.

ribonucleoprotein (heterogeneous nuclear), occurrence-ribonuclease activity 7416.

ribosomal proteins, cross-linking-RNA, sodium periodate 1440.

ribosomes antibodies, detection-human liver diseases 7402.

mRNA, abundance, relationship-lifetime 1457.

tRNA (formyl methionyl) deacylase, purification/characterization 5841.

RNA (heterogeneous nuclear), detection-double-stranded regions, use-psoralen derivatives photochemical cross-linking 4796.

RNA (heterogeneous nuclear), poly (A) sequence, properties 3633.

RNA (heterogeneous nuclear)-ribonucleoproteins particles, organization 587.

RNA (2'-O-methyladenosine-N⁶-)-methyltransferase, mRNA 5'-terminal capping specificity 296.

RNA biosynthesis, pulvomycin/kirromycin, effects on 3017.

RNA double-stranded regions, structure, probes, use-psoralen derivatives cross-linking 3565.

S phase, DNA biosynthesis rates 1640.

S phase, RNA 5S genes replication 423.

specific chromatin antisera 3289.

ultrasound-induced DNA repair 7173.

dUMP incorporation, accumulation-DNA fragments 728.

vaccinia virus-induced DNA polymerase, purification/

HeLa cells, (continued)

- properties 7367.
 vaccinia virus-infected, phosphorylated ribosomal proteins, identification/characterization 4101.
 vaccinia virus infected, RNA biosynthesis, nuclei/cytoplasm, comparison 4818.
 vaccinia virus infection, DNA biosynthesis induction, characterization 3108.
 vaccinia virus replication, 2-mercapto-1-(β -4-pyridethyl) benzimidazole, effects on 3804.
 vesicular stomatitis virus-infected, extracts, RNA biosynthesis in vitro 6007.
 vesicular stomatitis virus-infected, RNA biosynthesis 6006.
***Helianthus tuberosus*,**
 rRNA accumulation, auxins, effects on 4823.
 tubers. RNA metabolism following excision, 2,4-dinitrophenol, effects on 6047.
 tubers, mRNA utilization, age, effects on 2546.
***Heliothis*,**
 nuclear polyhedrosis virus, DNA, characterization 2075.
***Heliothis armigera*,**
 cytoplasmic polyhedrosis virus, RNA, characterization 3551.
***Heliothis zea*,**
 nuclear polyhedrosis virus, DNA, characterization 4332.
Helix-coil transition,
 poly d(G-C)/poly d(A-T), hydrogen ion, effects on 152.
***Hemicentrotus pulcherrimus*,**
 DNA polymerase α /DNA polymerase β , polyanions, effects on 539.
 embryos, DNA polymerase γ , characterization 4509.
 embryos cleavage, chromosomes, DNA replication, role-DNA polymerase α 2800.

Heparin,

- effects on DNA biosynthesis, nuclei, Ehrlich ascites tumour cells 7185.
 inhibition-ribonuclease 491.

Hepatitis A virus,

- isolation-single-stranded DNA 2025.

Hepatitis B,

- patients, liver, DNA, transfection-BSC cells 2739.

Hepatitis B virus,

- Dane particles, associated DNA polymerase, inhibition-trisodium phosphonoformate 5150.
 DNA, cloning-*Escherichia coli*, restriction endonuclease mapping 5498, 6182.
 DNA, detection-liver tumours, human 1544.
 DNA, genomes, cloning, *Escherichia coli* 3862.
 DNA fragments, cloning-plasmid pBR322, expression-*Escherichia coli* 5597.
 DNA polymerase, human serum, changes during infection 7361.
 plasma, DNA polymerase, assays 7366.
Hepatocarcinogens,
 induction-tRNA methylase activity, liver, rats 1405.
Hepatocytes,
 mice, DNA single-stranded breakage/chromosome aberrations, age, effects on 2062.
 nuclei, rats, DNA base composition, age, effects on 410.
 rats, DNA repair 3168.
 rats, α -globulin protein biosynthesis/mRNA, induction-glucocorticoids, in vitro 793.
 ribonucleoproteins, liver regeneration, effects on 1242.
 suspensions, RNA biosynthesis, characterization 6886.
Hepatoma,
 see also Morris, Novikoff, Yoshida, etc.

- cell lines, rats, chromosomes, rRNA gene content 3978.
 cells, calcium distribution, during sodium pyruvate-induced DNA biosynthesis 1678.
 cells, chromatin nonhistone proteins, purification/affinity-single stranded DNA 6478.
 cells, nuclear proteins, inhibition-DNA replication 5579.
 cells, rats, mammary tumour virus DNA integration sites, characterization 3864.
 cells, rats, poly (A)-containing/lacking mRNA, translation-cell-free system 6077.
 rats, initiation factor 2, preparation/properties 5916.
 tissue culture, chromatin, copying-single-stranded DNA templates 1778.
Herpes simplex virus,
 acute infection/DNA sequences, detection-infected trigeminal ganglion, mice 1061.
 cornea ulcers, treatment-guanine(9-[2-hydroxyethoxymethyl]), man 2908.
 DNA, arrangement, infected cells 3738.
 DNA, characterization, review 4597.
 DNA, drug resistance. phosphonoacetic acid, loci, mapping 3735.
 DNA, expression-transformed cells, review 659.
 DNA, infected cells, cleavage-nuclease, structure probes 5499.
 DNA, mapping 3734.
 DNA, occurrence-bound proteins 7471.
 DNA biosynthesis, chromatin, infected BHK21/C13 nuclei 1644.
 DNA biosynthesis, chromatin, infected kidney cells, monkeys 6273.
 DNA biosynthesis, infected BHK cells, role-poly (ADP-ribose) biosynthesis 5541.
 DNA biosynthesis, inhibition-adenine arabinoside 7113.
 DNA biosynthesis-cell-free system, polyamines, effects on 2719.
 DNA biosynthesis/protein biosynthesis, inhibition, hosts, genes, control 3608.
 encephalitis, mice, treatment-uridine (5-ethyl-2'-deoxy) 3410.
 infected cells, isolation-DNA, methodology 4880.
 infected cells, self-complementary RNA stability 1937.
 infected cells, thymine arabinoside antiviral activity, mechanisms 6607.
 infection, effects on α -globin/ β -globin mRNA stability, Friend erythroleukaemia cells 930.
 infection, treatment, adenine arabinoside/uridine (5'-iodo-2'-deoxy) 1362.
 infection/replication, degradation-hosts DNA 2147.
 keratitis, human, treatment-uridine (5'-iodo-2'-deoxy)/adenine arabinoside 1363.
 keratitis, treatment-thymidine (trifluoro) + interferon, man 5296.
 keratitis, treatment-uridine (trifluoro) 2337.
 C-nucleosides, antiviral activity 6610.
 radiation (u.v.)-treated, host cell reactivation, caffeine/hydroxyurea/uridine (5-bromodeoxy), effects on 7133.
 replication, DNA accumulation, nuclei 947.
 replication, inhibition-erythro-9-(2-hydroxy-3-nonyl) adenine 687.
 replication, review 4599.
 mRNA biosynthesis, control, infected cells 2495.
 suppression-protein biosynthesis, infected Vero cells 785.
 transformed lymphoblastoid cell lines, DNA biosynthesis, inhibition-insulin 3806.
 uridine (5-cyano)/uridine (5-cyano-2'-deoxy), antiviral agents 107.

Herpes simplex virus 1,

Angelotti DNA, genomes structure analysis, reassociation kinetics 3739.
 arginine-deprived, DNA analysis 2625.
 defective, DNA, electron microscopy 384, 1595.
 defective DNA, origin 4327.
 defective-interfering particles, genomes, comparison-herpes simplex virus 2 4330.
 DNA, bound proteins, mapping, electron microscopy 7472.
 DNA, *Escherichia coli* / calf thymus RNA polymerase transcripts, size/sequence analysis 4166.
 DNA, photoinactivation-psoralen derivatives 345.
 DNA, repetitive sequences, diploidy 385.
 DNA, restriction endonuclease analysis 1596.
 DNA, transfection-human lymphoblastoid cell lines 4453.
 DNA, transformed cells, hamsters, efficiency of plating, enhancement 5073.
 DNA biosynthesis, prednisolone/hydrocortisone/dexamethasone/progesterone, effects on 1072.
 DNA fragments, cloning-phage λ vectors 5092.
 DNA polymerase, inhibition-trisodium phosphonoformate 2796.
 DNA replication, muscle cells, embryos, chickens 1649.
 induced deoxyribonuclease, KB cells, purification/characterization 507.
 induced thymidine kinase, inhibition/regulation-uridine (trifluoromethyl-2'-deoxy), HEp-2 cells 1213.
 infected/transformed cell lines, mice, thymidine kinase/dTMP kinase activity 6451.
 infection, effects on DNA polymerase activity, cell culture, mice 1645.
 infection, mice, adenine arabinoside/AMP arabinoside/uridine (5'-iodo-2'-deoxy), effects on 1846.
 infection, mice, guanine (9-(2-hydroxyethoxymethyl)), effects on 4644.
 keratitis, treatment-adenine arabinoside/guanosine (acyclo)/uridine (5'-iodo-2'-deoxy), rabbits 3409.
 mutation, mapping 1006.
 pyrimidine nucleosides derivatives, antiviral activity 4039.
 recombinants-herpes simplex virus 2, DNA, mapping 1007, 1018.
 regulation-RNA transcription 6819.
 replication, thymine arabinoside, effects on 4647.
 restriction endonuclease fragments, transformation-embryo fibroblasts, hamsters 2168.
 mRNA, isolation/localization 5376, 6781.
 mRNA, separation/characterization 5950.
 serial passage, defective DNA, characterization 3736.
 temperature-sensitive mutant, DNA biosynthesis, infected BHK-21 cells 1071.
 temperature-sensitive mutant, DNA biosynthesis, defective 2127.
 temperature-sensitive mutant, mapping, markers rescue 1008.
 temperature-sensitive mutant, rescue-defective DNA 1687.
 thymidine analogues, antiviral agents 703.
 thymidine kinase genes, chromosomes-mediated transfer, cell lines, mice 7290.
 thymidine kinase genes, cloning-*Escherichia coli*, recombinants plasmids characterization 7263.
 uridine ((E)-5-(2-bromovinyl)-2'-deoxy) antiviral activity 6600.

Herpes simplex virus 2,

defective-interfering particles, genomes, comparison-herpes simplex virus 1 4330.
 DNA, transformation-embryo cells, hamsters 5091.
 DNA polymerase, inhibition-trisodium phosphonoformate 2796.

HeLa cells, DNA polymerase induction, inhibition-2-mercapto-1-(β -4-pyridethyl)benzimidazole 2797.
 induced deoxyribonuclease, KB cells, purification/characterization 507.
 infected human embryos fibroblasts, thymidine kinase activity 6441.
 poly (A)-containing RNA, characterization 3539.
 recombinants-herpes simplex virus 1, DNA, mapping 1007, 1018.
 replication, thymine arabinoside, effects on 4647.
 RNA, detection-human ganglia 5363.
 stimulation-DNA biosynthesis, human embryo fibroblasts, mechanisms 2698.

Herpes zoster,

human, treatment-cytosine arabinoside 1361.
 human infection, treatment-uridine (5'-iodo-2'-deoxy) 6608.
 treatment, adenine arabinoside/uridine (5'-iodo-2'-deoxy) 1362.

Herpesvirus,

DNA, activation-C type virus, BALB/c cells 1114.
 DNA, intramolecular recombination, models 4329.
 DNA, *Tupaia belangeri* lymphosarcoma, restriction endonuclease EcoRI analysis 6183.
 infection, AMP arabinoside, adenine arabinoside monophosphate 723.
 infection, purines/pyrimidines derivatives, chemotherapy, review 3360.

Herpesvirus (equine),

induced thymidine kinase, 3T3 cells, purification/characterization 3923.

Herpesvirus (equine) 1,

defective-interfering particles, characterization 3737.
 DNA, transformation/transfection activity 5583.
 infection, mammals, cell lines, induction-thymidine kinase activity 1742.

Herpesvirus (turkey),

DNA, comparison-Marek's disease virus 4952.
 DNA homology-Marek's disease virus 4328.

Herpesvirus ateles,

DNA, induction-tumours, *Saguinus* 1679.

Herpesvirus papio,

DNA, lymphoblastoid cell lines, baboons, characterization 7051.

superinfection, Epstein-Barr virus-carrying cell lines, inhibition-DNA biosynthesis 4387.

Herpesvirus saimiri,

DNA, induction-tumours, *Saguinus* 1679.
 DNA methylation-lymphoid tumour cell lines 7112.

Heterochromatin,

see also **Chromatin**

condensation, role-disulphide-bonds 2855.
 DNA, *Peromyscus eremicus*, nuclease digestion 3776.
Drosophila melanogaster, satellite DNA, localization-adjacent copia gene 1620.
 hamsters/man, function, review 2293.
 liver, rats, c.d., comparison-euchromatin 5203.
 satellite DNA compaction, relationship-histone H1 phosphorylation, *Drosophila virilis* 6489.
Secale cereale, localization-repetitive DNA 3960.
Trillium camtschaticum, thymidine labelling, cold, effects on 3964.

Heteropneustes fossilis,

muscles, DNA distribution 4870.

Hexose phosphate,

stimulation-protein biosynthesis, reticulocyte lysate 2970.

HF cells,

varicella-zoster virus-infected, thymidine kinase, purification/

HF cells,(continued)

properties 7383.

Histamine,

release, induction-RNA/DNA, human leucocytes (basophilic), rheumatoid arthritis/systemic lupus erythematosus 929.

Histidine,

residues, yeasts tRNA (phenylalanyl) synthetase, properties 774.

Histidinol,

inhibition-DNA biosynthesis, lymphocytes, guinea-pigs 7199.

Histone A24,

chromatin, nuclei, leukaemia cells, mice, carbodiimide cross-linking-histone H1 5662.

Histone H1,

binding-linkage DNA-lacking nucleosomes, induction-urea 3304.

biosynthesis, G1 phase, BHK cells 1760.

calf thymus, binding-adenine + thymine-rich DNA 5661.

calf thymus, secondary structure, n.m.r. 4540.

chromatin, nuclei, leukaemia cells, mice, carbodiimide cross-linking-histone H2a/histone A24 5662.

chromatography (affinity), purification-phage PM2 DNA 6948.

complex-DNA, aggregation, ionic strength, effects on 4539.

complex-DNA, structure, spectroscopy (i.r.), comparison-histone H2A/histone H4 7419.

complex-poly (ADP-ribose), formation, effects on, spermine/spermidine/putrescine/magnesium/calcium 603.

containing, nucleosomes, separation, erythrocytes, chickens 3322.

dephosphorylation, metaphase chromosomes isolation 637.

depletion, chromatin, calf thymus, effects on nuclease digestion 5211.

effects on SV40 chromosomes structure following reconstitution 7450.

interaction-actin, role mitotic spindle formation 1252.

interaction-DNA 2245.

interaction-DNA, deoxyribonucleoproteins double fibres formation 7420.

interaction-DNA, phosphorylation, effects on 6474.

localization-calf thymus chromatin 3953.

methylation/displacement, chromatin, liver, rats, polycations, effects on 2840.

occurrence, SV40 chromosomes 639.

occurrence-SV40-infected CV-1 cells chromosomes 2244.

Ovibos pancreas, isolation 1767.phosphorylation, *Drosophila virilis*, relationship-satellite DNA compaction, heterochromatin 6489.

phosphorylation, effects on chromatin structure, HeLa cells 5664.

phosphorylation-protein kinase, heart, cattle 595.

production, species-specific suppression, human/mice hybrids 2246.

proximity-histone H3, chromatin 1759.

role-HeLa cells nuclei chromatin structure 6487.

role-nucleosomes conformation 3305.

subfragments, interaction-DNA, c.d./viscosity 3948.

testis, rats, electrophoresis 596.

Histone H2a,

aggregates-histone H4, structure 2842.

chromatin, nuclei, leukaemia cells, mice, carbodiimide cross-linking-histone H1 5662.

complex-DNA, structure, spectroscopy (i.r.), comparison-histone H1/histone H4 7419.

Psammechinus militaris, amino acid sequence 2247.**Histone H2b,***Parechinus angulosus*, amino acid sequence 1761.

phosphorylation-protein kinase, heart, cattle 595.

production, species-specific suppression, human/mice hybrids 2246.

mRNA, *Strongylocentrotus purpuratus*, 5'-terminus nucleotide sequence 5975.**Histone H3,**

association-DNA 2834.

calf thymus, reaction-5,5'-dithiobis(2-nitrobenzoic acid) 2837.

containing, nucleosomes-like particles, preparation/characterization 6485.

dephosphorylation, metaphase chromosomes isolation 637.

interaction-histone H4, chromatin, models 3296.

proximity-histone H1, chromatin 1759.

specific histone kinase, purification/characterization, thymus, cattle 598.

testis, trouts, sulphhydryl groups, reaction N-ethylmaleimide, nucleosomes structure 1793.

Histone H4,acetylated, distribution-chromatin, *Salmo* testis 3946.

aggregates-histone H2a, structure 2842.

association-DNA 2834.

complex-DNA, structure, spectroscopy (i.r.), comparison-histone H1/histone H2A 7419.

containing, nucleosomes-like particles, preparation/characterization 6485.

interaction-histone H3, chromatin, models 3296.

Salmo gairdnerii, association-chromatin template activity 1246.**Histone H5,**
containing, nucleosomes, separation, erythrocytes, chickens 3322.

erythrocytes, chickens, conformation 1251.

erythrocytes, chickens, n.m.r. 2237.

Histone kinase,

histone H3-specific, purification/characterization, thymus, cattle 598.

Histones,

acetyl groups turnover, inhibition-sodium butyrate, Friend erythroleukaemic cells 1762.

acetylation, brain, rats, 17 β -oestradiol/butyric acid, effects on, relationship-ageing 5660.

acetylation, chromatin, effects on structure/transcription 624.

acetylation, heart, rats, thyroid hormone deficiency, effects on 4204.

acetylation, relationship-nucleosomes spacer regions

susceptibility-deoxyribonuclease I 3961.

affinity-DNA, role non-ionic interaction 1768.

arginine-rich, DNA folding 593.

arginine-rich, inhibition-protein kinase 2836.

arrangement-nucleosomes DNA 599.

binding-chromatin core particles, n.m.r. 1266.

binding-DNA, dissociation/reassociation 601.

biosynthesis, DNA biosynthesis inhibition, effects on 2242.

biosynthesis, following radiation (X), thymus, rats,

relationship-DNA biosynthesis 3163.

biosynthesis, Friend erythroleukaemia cells, differentiation,

relationship-DNA biosynthesis 2691.

biosynthesis, liver, rats, stimulation following cycloheximide

treatment 6499.

biosynthesis, *Paracentrotus lividus*, trypsin, effects on 5199.*Bombyx mori* larvae, characterization 1250.bound, plasmids DNA, *Saccharomyces cerevisiae*, isolation/characterization 6933.

calf thymus, characterization/biological properties 1254.

calf thymus/CHO cells/sea urchins cells, association-SV40

Histones,(continued)

- DNA, formation-nucleosomes 634.
Chironomus thummi chromosomes, localization 2261.
Choriotoneura fumiferana chromosomes, characterization 3297.
 chromatin, review 1317.
 chromosomes, fractionation/characterization, use-hydroxyapatite 1279.
 complex, DNA conformation, spectroscopy (i.r.) 4917.
 complex-DNA, digestion, nucleosomes cores formation, characterization 4547.
 complex-DNA, physical properties, erythrocytes, chickens 602.
 complex-nonhistone proteins, calf thymus, characterization 1766.
 composition, *Cucumis sativus* cotyledons, kinetins, effects on 6476.
 composition, *Triticum*, temperature effects 3300.
 contact sites, chromatin 5208.
 content, *Bombyx mori* spermatocytes 2019.
 content, *Lilium candidum*, during development 604.
 cores, association-*Escherichia coli* restriction endonuclease fragments, nucleosomes formation 5205.
 cores, complex, calf thymus chromatin, characterization 3298.
 cross-linking-formaldehyde, nucleosomes organization 1764
 dephosphorylation, phosphoprotein phosphatase activators characterization 2238.
 detection, use-DNA binding 3299.
 distribution-DNA, nucleosomes 4548.
 DNA complex, transcription-*Saccharomyces cerevisiae* RNA polymerase II 1728.
Echinus eggs, characterization 2843.
 effects on dimethyl sulphate reaction-nucleosomes DNA, erythrocytes, chickens 5223.
 effects on ethidium bromide/quinacrine hydrochloride binding-DNA 4537.
 effects on nonhistone proteins phosphorylation, nuclei, liver, rats 1260.
 enhancement-poliovirus RNA transfection, mechanisms 2526.
 erythrocytes chickens, association-synthetic polydeoxyribonucleotides, chromatin cores particles formation, characterization 5204.
 fibres, X-ray crystallography 3302.
 gene expression, during cell cycle, *Psammecinus miliaris* 2516.
 genes, activity, during embryogenesis, *Paracentrotus lividus*, mRNA characterization 3031.
 genes, analysis, DNA, *Stylonychia mytilus* macronuclei 3116.
 genes, HeLa cells, transcription unit localization 3789.
 genes, organization, chickens genomes DNA 4993.
 genes, *Psammecinus miliaris*, nucleotide sequence 2084.
 genes, *Psammecinus miliaris*, 3'-terminus sequence 6475.
 groups, purification-chromatin, ducks/chickens erythrocytes, use-hydroxyapatite 3950.
 HeLa cells, deacetylation, sodium butyrate, effects on 600.
 heterototic, liver, rats, comparison-chromatography 1763.
 histone H1, role-chromatin structure, SV40 3314.
 histone H1 biosynthesis, *Strongylocentrotus purpuratus* eggs 2239.
 histone H3 + histone H4-DNA complex, formation-nucleosomes like structure 2838.
 human, role-carcinogenesis, review 669.
 interaction-DNA, assays, fluorescence 3339.
 interaction-DNA, chromatin replication regions 3303.
 interaction-DNA, nucleosomes cores assembly 3949.
 interaction-nonhistone proteins, chromatography (affinity) 605.
 interactions, chromatin 3970.
 isolation, DNA-histones adducts, radiation (u.v.)-induced, nuclei, calf thymus 2240.
 isolation/characterization, book 7484.
 isolation-chromatin 1247.
 lysine-rich, binding-DNA, e.s.r. 7418.
 lysine-rich, role-deoxyribonuclease I digestion-globin genes, erythrocytes, chickens 2844.
 lysine-rich/arginine-rich, content, neurons/neuroglial cells, microscopy 1253.
 mixtures, chickens/*Nicotiana*, reconstitution-nucleosomes cores particles 6501.
 mobility, SV40 chromosomes 2259.
 models, complex-DNA, synthesis/characterization 4538.
 N-terminus-lacking, HeLa cells, DNA folding 597.
 nuclei, hepatocytes, rats, binding-heparin 2839.
 nuclei, liver, rats, aralkylation-benzo(a)pyrene 2578.
 oligomers, equilibrium, sodium chloride concentration, effects on 5198.
 packing, nucleosomes, chromatin 613.
 phosphorylation, cerebrum/cerebellum/liver, rabbits 3301.
 phosphorylation, heart, hamsters, cardiomyopathy 2248.
 photochemical cross-linking-DNA, nucleosomes 1278.
 polyd(A-T), reconstitution-nucleosomes cores 5213.
 mRNA, *Arbacia punctulata*, occurrence, association-transcription 935.
 mRNA, late, identification, *Strongylocentrotus purpuratus* 6066.
 mRNA, purification, methodology 2977.
 mRNA, translation, control, HeLa cells, role-proteins phosphorylation 3051.
 mRNA biosynthesis, *Lytechinus pictus*, association-embryogenesis 285.
 RNA transcription, *Strongylocentrotus purpuratus* / *Lytechinus pictus*, RNA polymerase II 1727.
 role-nucleosomes structure 1765.
Saccharomyces cerevisiae, isolation/conservation 1249.
 salivary gland, rats, phosphorylation, stimulation-isoproterenol 2848.
 sea urchins, electrophoresis 1248.
 segregation, during chromatin replication, Ehrlich ascites tumour cells 4545.
 segregation, during chromosomes replication 3952.
 stability, phospholipids, effects on 3951.
 structure, SV40 nucleoproteins 4535.
 SV40 minichromosomes, acetyl groups, turnover 3947.
 SV40 replicative form nucleoproteins complex-associated, characterization 2241.
 trout/chickens erythrocytes/calf thymus, electrophoretic mobility, EDTA, effects on 6472.
HIX virus,
 ribonuclease T1 oligonucleotides, comparison-Moloney leukaemia virus 1940.
 RNA, nonhomology region-Moloney leukaemia virus, heteroduplexes analysis 857.
Holothuria tubulosa,
 nucleosomes organization during germ cells development 7443.
Homocysteine,
 effects on DNA biosynthesis, human bone marrow cells 459.
Hordein,
 mRNA, endosperm, *Hordeum* wild type/mutants, isolation/translation 4767.

Hordeum.

embryos, rRNA 5S/rRNA 18S, hybridization-sarcoma, mice 1496.

protoplasts, depolymerization-plasmid pBR313, protection-poly-L-ornithine 7292.

RNA metabolism following dark germination, gibberellic acid/indole acetic acid/ascorbic acid, effects on 4824.

tRNA Phe, primary structure, comparison-wheat germ 4684.

seedlings, nucleoside phosphotransferase, thiophosphoryl groups transfer, stereochemistry 5646.

wild type/mutants endosperm, hordein mRNA, isolation/translation 4767.

Hordeum vulgare.

infection-brome mosaic virus RNA, efficiency 925.

leaves, ribonuclease, activity during early *Erysiphe graminis* infection 6386.

ribonuclease activity, *Erysiphe graminis* infection, effects on 4476.

rRNA gene, cistrons, analysis 3971.

rRNA/mRNA hydrolysis, during *Erysiphe graminis* infection 4861.

tRNA Val characterization 1399.

satellite DNA, denaturation/reassociation properties 416.

Hormones.

control-mRNA biosynthesis, review 10.

effects on DNA biosynthesis, mammary gland epithelial cells, rats 2140.

effects on transcription/translation, review 11.

protection-interferon treated cells, double-stranded RNA-induced cytotoxicity 5421.

regulation-mRNA biosynthesis, liver, rats, review 4006.

stimulation-DNA biosynthesis, liver, rats 6281.

Host cell reactivation.

radiation (u.v.)-treated herpes simplex virus, caffeine/hydroxyurea/uridine (5-bromodeoxy), effects on 7133.

HTC cells.

dexamethasone-induced mRNA activity, effects on/hormones withdrawal, effects on 846.

Human.

bone marrow cells, DNA biosynthesis, homocysteine/methionine/serine/glycine, effects on 459.

bone marrow cells, DNA biosynthesis, systemic lupus erythematosus lymphocytes, effects on 3181.

burns, effects on human serum/urine ribonuclease (alkaline) activity 495.

cell culture, abnormal, chromosomes DNA biosynthesis 2098.

choriogonadotropin, α -subunit/ β -subunit mRNA identification 315.

chromosomes, measurement/purification 5229.

chromosomes, rRNA gene expression 1505.

chromosomes, structure, electron microscopy 1782.

DNA, damage-N-acetoxy-2-acetylaminofluorene/7,12-dimethylbenz(a)anthracene, carcinogenesis 957.

DNA, fractionation 331.

DNA, globin genes, restriction endonuclease analysis 1055.

DNA, rRNA gene isolation 2028.

DNA biosynthesis, psoriasis/normal epidermis 462.

DNA repair defect, radiation (u.v.)-induced damage 438.

embryo fibroblasts, transcription in vitro, age, effects on 917.

embryo lung cells, cytomegalovirus-infected, chromatin-associated factors, effects on chromatin structure/template activity 1779.

erythrocytes, hypoxanthine phosphoribosyltransferase, purification/structure 569.

erythrocytes, 5'-nucleotidase determination 560.

fibroblasts, interferon mRNA, localization 2011.

fibroblasts, protein biosynthesis/RNA biosynthesis/DNA biosynthesis, stimulation-cattle growth hormone fragments 191.

fibroblasts, sister chromatid exchange, induction-mitomycin/ethyl methanesulphonate/N-acetoxy-2-acetylaminofluorene, age, effects on 1780.

foetal oocytes, rRNA gene, assays 4262.

δ -globin/ β -globin genes, organization 1627.

α -globin/ β -globin mRNA, 5'-terminus methylation, characterization 256.

γ -globin mRNA, 5'-terminus, nucleotide sequence 1054.

γ -globin mRNA, 3'-terminus, nucleotide sequence 2476.

haemoglobin A, gene expression, role-mRNA stability 1896.

heavy chain disease, mRNA, translation/purification 939.

insulin DNA, oligonucleotides fragments, synthesis/purification-chromatography (reversed-phase) 4059.

insulinoma, mRNA translation, cell-free system 316.

kidney, adenosine deaminase-binding protein, purification/characterization/assays 562.

lymphoblasts, adenosine/adenine, effects on 711.

lymphocytes, aplastic anaemia, DNA, characterization 411.

milk, stimulation-DNA biosynthesis, fibroblasts, cell culture 2139.

mixed leucocyte culture, DNA biosynthesis, role-DNA

polymerase (RNA-dependent) 2099.

myelocytes, DNA biosynthesis/content-relationship-size 1639.

oocytes, meiosis, RNA biosynthesis 1974.

Philadelphia chromosome-positive leukaemia cells, sister

chromatid exchange 1297.

plasma/leucocytes, ribonuclease I activity, nutrition, effects on 1156.

psoriasis/normal epidermis, DNA biosynthesis 461.

purine nucleoside phosphorylase deficiency, effects on purines/pyrimidines metabolism 551.

repetitive DNA, homology-primates 3784.

spermatozoa, DNA content 1551.

spermatozoa, portamines, amino acid sequence 2835.

synthetic globin genes, insertion-bacteria plasmids 1700.

TMP synthetase, interaction-folate analogues 575.

tonsil lymphocytes, DNA excretion 472.

Human chorionic gonadotropin.

biosynthesis, stimulation, choriocarcinoma cells, relationship-DNA biosynthesis inhibition-hydroxyurea/cytosine

arabinoside/uridine (5-fluorodeoxy) 6315.

Human placental lactogen.

effects on DNA biosynthesis, human benign breast tumours 431.

effects on DNA biosynthesis, human breast tumours,

athymic nude mice 1093.

mRNA, translation-wheat germ cell-free system, products analysis 4098.

Humulus lupulus.

cones, occurrence-cis-zeatin riboside 4625.

Hycanthone.

effects on DNA biosynthesis/RNA biosynthesis, *Schistosoma mansoni* 2129.

Hydrocortisone.

complex-transcortin, inhibition-RNA polymerase, chromatin, thymus 7341.

control-glutamine synthetase mRNA, retina, chickens embryos 271.

effects on chromatin templates activity, liver, rats 6504.

effects on cytosine (5-methyl) content, DNA, rats, during ontogeny 3144.

effects on DNA biosynthesis, herpes simplex virus 1 1072.

effects on nonhistone proteins phosphorylation,

lymphosarcoma, mice 7425.

Hydrocortisone, (continued)

effects on RNA biosynthesis, liver, rats 6831.
effects on tyrosine aminotransferase mRNA levels, liver, rats 275.
regulation-RNA biosynthesis, liver, rats, age, effects on 6832.

Hydrogen peroxide,

radiation (u.v.), induced DNA proteins cross-linking, phage T7 7466.

N-Hydroxy-1-naphthylamine,

interaction-DNA, role-carcinogenesis 3067.

N-Hydroxy-4-Acetylaminio-4-Fluorobiphenyl,

reaction-DNA, kidney/liver, rats 6980.

N-Hydroxy-2-Aminofluorene,

effects on DNA conformation 4300.

4-Hydroxyaminoquinoline 1-Oxide,

free radical formation, comparison-4-nitrosoquinoline 1-oxide free radical formation/binding-polyguanylic acid 735.

Hydroxyapatite,

use-histones/nonhistone proteins fractionation/
characterization, chromosomes 1279.

7-Hydroxymethyl-12-methylbenz(a)anthracene,

binding-DNA, embryo cells, mice, comparison-7,12-dimethylbenz(a)anthracene 6108.

Hydroxyurea,

effects on *Bacillus subtilis* chromosomes/*Staphylococcus aureus* R factors DNA replication 3175.

effects on chromosomes, *Rhynchosciara angelae* 3326.

effects on DNA biosynthesis, dorsal roots ganglia, rats 6328.

effects on DNA biosynthesis, embryos, mice 2727.

effects on DNA repair, CHO cells 5558.

effects on host cell reactivation, radiation (u.v.)-treated herpes simplex virus 7133.

effects on radiation (u.v.)-induced excision DNA repair, human lymphocytes B/lymphocytes T 6308.

induced damage, DNA repair, LL cells 5050.

induction-DNA repair, lymphoblastoid cell lines, liver microsomes, effects on 6309.

induction-endogenous murine leukaemia virus, AKR cells, involvement-DNA repair 5046.

inhibition-radiation (u.v.)-induced DNA repair, human skin fibroblasts 7171.

inhibition-thymidine incorporation, dimethylnitrosamine-treated liver/kidney, rats 1088.

1a-Hydroxyvitamin D₃,

effects on RNA polymerase II activity, intestine, rats 1185.

Hygromycin B,

inhibition-translocation, protein biosynthesis, yeasts, mechanisms 3501.

Hymenolepis diminuta,

ribonuclease, degradation-RNA 4860.

Hymenoptera,

tRNA (aminoacyl) isoacceptors, codons recognition patterns 3455.

Hyperthermia,

effects on DNA biosynthesis/RNA biosynthesis/protein biosynthesis, CHO cells 7209.

effects on radiation (X)-induced DNA repair, HeLa cells 6305.

Hypochlorous acid,

reaction-AMP/CMP/GMP/UMP 5300.

reaction-uracil 684.

Hypophysectomy,

effects on albumin mRNA levels, liver, rats 3591.

Hypothalamus,

cattle, mRNA, translation-wheat germ cell-free system, neurophysin-containing products identification 6924.

extracts, effects on RNA biosynthesis, pituitary, rats 3589.
regulation-RNA biosynthesis, liver, rats, age, effects on 6832.

Hypothermia,

effects on radiation inhibition-DNA biosynthesis/RNA biosynthesis, Guerin tumour 4433.

Hypoxanthine,

levels, plasma/erythrocytes, determination, chromatography (column) 1818.

substituted derivatives, spectroscopy (i.r.) 4616.

Hypoxanthine-DNA glycosylase,

Escherichia coli, purification/characterization 2214.

Hypoxanthine phosphoribosyltransferase,

genes, transfer, mice cells 4468.

human, kinetics 1230.

human erythrocytes, purification/structure 569.

kinetic isotope effects 549.

mice, inhibition-guanine (8->aza)/guanine (6-thio) 5735.

Hypoxia,

effects on RNA/DNA content, prosencephalon, rats 455.

Imidate esters,

interaction-cytidine (4-amino) 77.

 β,γ -Imidoadenyl,

inhibition-5'-triphosphate polynucleotide kinase 1211.

Imidodiester,

inhibition-DNA biosynthesis, lymphocytes 4429.

2-Iminothiolane,

cross-linking, identification-ribosomal proteins pairs,

Escherichia coli ribosomal subunit 50S 3476.

cross-linking-*Escherichia coli* ribosomal proteins 2409.

modification-ribosomal proteins, *Escherichia coli* ribosomal subunit 30S 2408.

Immune RNA,

see also RNA

activation-lymphocytes, kinetics analysis 5181.

biosynthesis-macrophages/tumour-specific cell-mediated cytotoxicity transfer, guinea-pigs 3282.

experimental allergic orchitis transfer, guinea-pigs 4527.

lymphoblastoid cells, transfer-immune information 3283.

properties 5182.

review 1328, 4580.

role-antitumour activity stimulation, review 5255.

transfer-hypersensitivity (delayed), guinea-pigs 5180.

transfer-immunity (cell-mediated), review 5700.

uptake, spleen cells, mice 5183.

Immunofluorescence,

localization-protein biosynthesis, plasma, hepatocytes, embryos, chickens 6708.

Immunoglobulin G,

inhibition, DNA polymerase, human seminal fluid 1735.

Immunoglobulins,

Fc fragments, stimulation-DNA biosynthesis, spleen cell culture, mice 3191.

genes, differentiation, review 1331.

genes, recombination, DNA cloning, mice 2744.

heavy chains, complementary DNA, mice, cloning/
nucleotide sequence analysis 7090.

heavy chains, genes, excision/splicing, mRNA production, mechanisms 6343.

heavy chains, genes, location-human chromosomes 7449.

heavy chains, genes, mice, sequence homology 5524.

heavy chains, genes, organization, mice, analysis, use-

Immunoglobulins,(continued)

- myeloma clone 4365.
 heavy chains, mice, DNA coding sequence 4997.
 heavy chains, mRNA, myeloma, mice, isolation/characterization 4799.
 heavy chains, mRNA, 3'-terminus, homologous sequence, occurrence-thymocytes RNA 4760.
 heavy chains, mRNA precursors, plasmacytoma cells, nucleotide sequence specificity 6810.
 heavy chains expression, role-RNA processing 6054.
 human serum, DNA antibodies activity 5653.
 light chain, genes, containing, mice DNA clones, characterization 1625.
 light chain, mRNA, complementary DNA, characterization 1051.
 light chain, mRNA, use-recombinant DNA synthesis 1142.
 light chains, biosynthesis/processing, *Xenopus laevis* oocytes, mRNA, plasmacytoma cells, mice 4857.
 light chains, genes, formation-sites-specific recombination 7285.
 light chains, genes, liver/myeloma, mice, cloning/characterization 7286.
 light chains, mice, genes, recombination sites, nucleotide sequence 7091.
 light chains, mRNA, biosynthesis, lipopolysaccharide activated spleen cells, mice, mechanisms 4816.
 light chains, mRNA, human, isolation/translation 2444.
 light chains, mRNA, precursors patterns, plasmacytoma, mice, comparison 6929.
 light chains, mRNA, purification-myeloma, mice, methodology 2438.
 light chains, mRNA, transcription unit, mapping 3790.
 light chains, mRNA translation, role-tRNA Met 2531.
 light chains genes, DNA fragments, nucleotide sequence 7089.
 light chains genes, localization-chromosomes, mice 6515.
 mRNA, biosynthesis/processing, MPC-11 cells 2493.
 mRNA, mice, nucleotide sequence determination, methodology 2471.
 mRNA/genes, review 1323.
 subepidermal deposits, mice, relationship-DNA biosynthesis, epidermis 5184.
 subepidermal deposits, relationship-DNA antibodies, systemic lupus erythematosus 4530.
 variable region/constant region, RNA 27S, spliced nucleotide sequence, nuclei, MOPC 21 cells, mice 1960.
Immunosuppressive factor,
 deoxyribonucleoproteins, Ehrlich ascites tumour cells, fluids, characterization 5195.
 spleen, cattle, inhibition-pyrimidine nucleosides incorporation, DNA 5767.
IMP,
 binding-platinum diamminedichloride (II), stoichiometry 1857.
 complex-copper, structure, X-ray crystallography 5785.
 complex-cis-dichlorodiammine platinum II, structure 5786.
 zwitterion, characterization 721.
IMP (nitrobenzylthio),
 inhibition-nucleosides uptake, HeLa cells 2351.
Impatiens balsamina,
 RNA biosynthesis, induction-gibberellic acid/photoperiod 6017.
Ina-flacherie virus,
 DNA, characterization 1009.
Indole acetic acid,
 effects on RNA biosynthesis/DNA biosynthesis, *Pinus pinea* seeds 1986.

- effects on RNA biosynthesis/protein biosynthesis, *Escherichia coli* 5405.
 effects on RNA metabolism, *Hordeum*, following dark germination 4824.
Indolylalkylamines,
 radioprotection, radiation (γ)-induced damage, *Escherichia coli*, mechanisms 1081.
Influenza A virus,
 capsids, association-chromatin, infected cells 5678.
 genomes RNA, gene mapping 6783.
 glycoproteins genes, characterization 4167.
 infected cell culture, RNA polymerase (RNA-dependent) induction/polyribosomes formation, ribavirin, effects on 3260.
 infected MDCK cells, RNA biosynthesis, inhibition-ribavirin, mechanisms/specificity 5776.
 infection, effects on ribosomes, chorioallantoic membranes, eggs, chickens 4732.
 matrix protein, N-terminus coding region, nucleotide sequence 7052.
 occurrence-associated DNA sequences 1545.
 protein biosynthesis, embryo cells, chickens, actinomycin D, effects on 3466.
 protein biosynthesis, infected cells, control 6061.
 recombinants, genes organization 6184.
 recombinants, genomes RNA, analysis 1938.
 replication, human embryo fibroblasts/diploids fibroblasts 7114.
 ribonucleoproteins, assembly, inhibition-canavanine 5190.
 ribonucleoproteins, association-chromatin, infected cells 5657.
 RNA, comparison-epidemics strains 5377.
 RNA biosynthesis initiation, role-protein P1 3579.
 RNA biosynthesis/protein biosynthesis, florenal, effects on 2496.
 strains, genomes RNA, structure, comparison 5952.
 strains, RNA, nucleotide sequence analysis 5953.
 wild type/temperature-sensitive mutant, RNA polymerase, phenotypes, comparison 7343.
Influenza B virus,
 RNA, genes mapping 2455.
Influenza virus,
 complementary RNA, transfer-globin mRNA 5'-terminus caps, during transcription 4778.
 defective-interfering, RNA, characterization 1927.
 defective-interfering particles, RNA, nucleotide sequence mapping 6782.
 genomes segments, RNA, size determination, methodology 4168.
 infected chorioallantoic membrane, ribosomes, ammonium chloride/potassium chloride/puromycin, effects on 5350.
 infection, purines/pyrimidines derivatives, chemotherapy, review 3360.
 ribonucleoproteins, characterization 2232.
 RNA, capping/methylation, mechanisms 1963.
 RNA, free/ribonucleoproteins, secondary structure 5951.
 RNA, polyadenylation/reverse transcription 4374.
 RNA, transcription in vitro, globin mRNA primers 894.
 RNA biosynthesis, inactivation-radiation (u.v.) 6835.
 RNA polymerase, properties 6420.
 RNA structure, review 2300.
 RNA/temperature-sensitive mutant/gene mapping, review 5261.
 mRNA transcription, radiation (u.v.), effects on 6834.
 RNA transcription products, accumulation-nuclei, MDCK cells, antibiotics, effects on 3580.
 strains, DNA sequence, occurrence 6085.

Influenza virus, (continued)

strains, haemagglutinin coding RNA, genetic relationship 2988.

strains, nucleoproteins antigens, cross-reactivity 4534.
von Magnus particles, RNA, origin 3513.

Informosomes.

formation, role-RNA-binding protein, *Rana temporaria* oocytes 3335.

incorporation-*Rana temporaria* RNA-binding protein 5236.

isolation, methodology, review 4608.

proteins, review 2894.

mRNA, CHO cells, formation/polyadenylation, kinetics, comparison-polysomes 3576.

Initiation.

activity, protein biosynthesis, liver, rats proteins depletion/refeeding, effects on 4709.

protein biosynthesis, reticulocyte lysate, inhibitors.

lymphocytes cytoplasm, characterization 1926.

Saccharomyces cerevisiae cell-free system, analysis 5341.

Initiation complex.

eukaryotes, destabilization-ApUpG 216.

formation, *Escherichia coli*, role-GTP 4742.

formation, *Escherichia coli* ribosomal subunit 30S, role-initiation factor 3 825.

formation, HeLa cells, inhibition-poliovirus infection 5361.

formation, phage Q β RNA binding-ribosomes, inhibition-oligonucleotides complementary-*Escherichia coli* rRNA 16S 3'-terminus 4131.

formation, reticulocytes, rabbits, role-GTP 5306.

formation, ribosomes, rabbits reticulocyte lysate, inhibition-haemin controlled translation repressors 4137.

Initiation factor M3.

dependent translation-capped/uncapped mRNA, reticulocyte lysate cell-free system 830.

Initiation factor 1.

binding-*Escherichia coli* ribosomal subunit 30S, role-ribosomes dissociation 826.

effects on *Escherichia coli* polyribosomes dissociation 6729.

Escherichia coli, amino acid sequence 5912.

purification/characterization, reticulocyte lysate, rabbits 220.

Initiation factor 2.

binding/release-ribosomes, during initiation complex formation, rabbits reticulocyte lysate 4138.

complex-GTP, reticulocyte lysate, rabbits, haeme-controlled translation inhibition, mechanisms 4750.

cross-linking-ribosomal proteins, liver, rats 4723.

Escherichia coli, isolation/activity- β -galactosidase biosynthesis 1921.

interaction- α -globin/ β -globin mRNA, competition 5919.

liver, cattle, purification/characterization 6757.

liver/hepatoma, rats, preparation/properties 5916.

phosphatase activity, reticulocyte lysate, rabbits 4747.

phosphorylation, catalysis-interferon, L929 cells, mice 4136.

phosphorylation, human amnion cells, interferon, effects on 3511.

reticulocyte lysate, analysis-phosphorylation 833.

reticulocytes, dissociation-mRNA 1924.

reticulocytes, rabbits, activity-complex formation-GTP + tRNA (formylmethionyl) 4751.

reticulocytes, rabbits, binding-globin mRNA 5918.

subunits phosphorylation during protein biosynthesis

initiation inhibition, reticulocyte lysate 4749.

Initiation factor 3.

binding-*Escherichia coli* ribosomal subunit 30S, role-RNA 16S 3'-terminus 824.

binding/release-ribosomes, during initiation complex formation, rabbits reticulocyte lysate 4138.

effects on *Escherichia coli* polyribosomes dissociation 6729.

effects on ribosomes conformation, *Escherichia coli* 1432.

Escherichia coli, effects on rRNA 16S-ribosomal proteins cross-linking 2966.

phosphorylation-protein kinase, reticulocytes, rabbits 1925.

role-initiation complex formation, *Escherichia coli* ribosomal subunit 30S 825.

role-phage MS2 RNA translation in vitro 4130.

role ribosomal subunits 30S + tRNA (aminoacyl) + polynucleotides complex dissociation 3506.

structural gene regions, *Escherichia coli* chromosomes, organization 4343.

Initiation factor 4C.

purification/characterization, reticulocyte lysate, rabbits 220.

Initiation factor 4D.

purification/characterization, reticulocyte lysate, rabbits 220.

Initiation factor 5.

purification/characterization, reticulocyte lysate, rabbits 220.
reticulocyte lysate, rabbits, role-initiation complex formation 6760.

Initiation factors.

activity, cytosol, liver/muscles, rats/ascites cells 6756.

assays, *Escherichia coli* lysates 4743.

Co-EIF-1, rabbits reticulocytes, purification/characterization 1923.

complex formation, reticulocyte lysate protein biosynthesis, factors requirement 4139.

identification, reticulocytes, use-polyacrylamide gel electrophoresis 6759.

inhibition, induction-interferon 2432.

interaction-RNA, GMP methyl derivatives, cap analogues, effects on 1861.

Krebs II ascites cells, purification/characterization 4752.

rabbits reticulocytes, mechanisms 1453.

reticulocytes, rabbits, stimulation-vesicular stomatitis virus 5'-terminus guanosine (7-methyl)-lacking mRNA translation 4133.

ribosomal subunit 40S, muscles, chickens embryos,

chromatography (affinity) fractionation, myosin/globin mRNA 4746.

wheat germ, purification 4141.

Inosine.

acidic hydrolysis 2323.

derivatives, interaction-copper 701.

levels, plasma/erythrocytes, determination, chromatography (column) 1818.

methyl derivatives, spectroscopy (Raman) 5757.

methylation-trimethyloxosulphonium hydroxide 679.

platinum diethylenetriamine (II), structure, X-ray crystallography 2331.

Inosine (deoxy).

detection-acids soluble fractions, embryos, chickens 5739.

Inosine (3-Methyl).

synthesis/chemical properties 4631.

Insects.

see also **various species**

DNA biosynthesis/RNA biosynthesis/protein biosynthesis, review 3356.

Insertion sequence 1.

integration sites, *Escherichia coli* galactose operon leaders sequence, analysis 3758.

Insertion sequence 2.

bacteria, control-tryptophan synthetase gene expression,

Saccharomyces cerevisiae 3217.

DNA, nucleotide sequence 3703.

Escherichia coli, nucleotide sequence 2077.

Insertion sequence 3,*Escherichia coli*, enumeration/identification 6087.**Insertion sequences,***Escherichia coli*, review 1136.

F factors, identification 3203.

rRNA 23S genes, mitochondria, *Saccharomyces cerevisiae*, characterization 5514.**Insulin,**

binding sites development, lymphocytes T, role-RNA biosynthesis/protein biosynthesis 6889.

DNA, human, oligonucleotides fragments, synthesis/purification-chromatography (reversed-phase) 4059.

effects on DNA biosynthesis, human benign breast tumours 431.

effects on tRNA (valyl) synthetase/tRNA (alanyl) synthetase activity, muscles, rabbits 2389.

effects on RNA biosynthesis/protein biosynthesis, mitochondria, liver, rats, diabetes 4205.

genes, human, oligodeoxyribonucleotides, synthesis 2355.

inhibition DNA biosynthesis, herpes simplex virus transformed lymphoblastoid cell lines 3806.

regulation-RNA biosynthesis 2900.

stimulation-DNA biosynthesis, human/mice cells 7126.

stimulation-DNA biosynthesis/protein biosynthesis,

Notophthalmus viridescens blastemata, association-nerve function 427.**Insulinoma,**

human, mRNA translation, cell-free system 316.

Interferon,

activity, role-ribonuclease F 3228.

effects on DNA biosynthesis, embryos, mice 5061.

effects on DNA biosynthesis, lectins-treated thymocytes 2142.

effects on globin mRNA transcription, Friend erythroleukaemia cells 3037.

effects on initiation factor 2 phosphorylation, human amnion cells 3511.

effects on poxviruses replication, review 2288.

effects on proteins phosphorylation, human fibroblasts 6900.

effects on reovirus mRNA caps methylation, L929 cells 5957.

effects on RNA biosynthesis/RNA structure, review 2297.

effects on rRNA metabolism, relationship-chromosome 21 ploidy, human fibroblasts 4223.

effects on tRNA methylation, cell culture 5320.

effects on vesicular stomatitis virus RNA biosynthesis/protein biosynthesis, human/monkeys cells 3008.

human leucocytes, inhibition-DNA biosynthesis, RSa cells 1109.

human lymphoblastoid cell lines, ribonuclease activity 6388.

induced, initiation factor 2 protein kinase/oligo-isoadenylate synthetase, isolation/purification 2217.

induced mRNA translation inhibitors, L cells, effects on protein biosynthesis initiation 5917.

induction, L cells, relationship-double-stranded RNA protein biosynthesis inhibition 4231.

induction, poly (I-C)-lysine complex, dogs 5813.

induction-double-stranded RNA, in vivo, review 2295.

induction-initiation factors inhibition 2432.

induction-modified poly(I-C) 1868.

induction-poly (I-C), chickens, efficacy/applications 742.

induction-poly (I-C), conformation dependence 3431.

induction-poly (I-C), mechanisms, review 2294.

induction-poly (I-C), modification-poly-L-lysine/

carboxymethylcellulose, effects on 1384.

induction-poly (I-C), role-poly (I-C) structure 741.

induction-poly (I-C)/DEAE-dextran, L-929 cells 5315.

induction-poly (I-C)/Newcastle disease virus, in vitro, review

2303.

induction-polynucleotides, mechanisms, review 2281, 2289.

induction-pyrimidine (hydroxy) derivatives, chickens 4024.

inhibition-mRNA translation, viruses 2292.

mediated RNA degradation, properties, L-929 cells 1541.

priming, effects on interferon mRNA, cells, mice 6075.

production, human fibroblasts, induction-poly (I-C),

superinduction, mechanisms 3437.

mRNA, human fibroblasts, stability-*Xenopus laevis* oocytes, role-3'-terminus poly (A) 928.

mRNA, human lymphoblastoid cell lines, characterization 6389.

mRNA, induction-antiviral activity, L929 cells 4849.

mRNA, localization human fibroblasts 2011.

mRNA, L929 cells, translation in vitro/in vivo 940.

mRNA, translation, review 2278.

mRNA analysis, comparison-antiviral protein 4851.

mRNA degradation, mechanism, vesicular stomatitis virus-infected cells 2013.

superinduction-5,6-dichloro-1- β -D-ribofuranosylbenzimidazole, human fibroblasts, role-mRNA stability 2002.superinduction-poly (I-C), human fibroblasts, actinomycin/ α -amanitin/camptothecin effects on 1869.

suppression-glutamine synthetase mRNA induction, retina polyribosomes, chickens embryos 6068.

translation regulation, review 2296.

treated, Ehrlich ascites tumour cells, mRNA accumulation 6927.

treated, embryo cells, chickens, double-stranded RNA, effects on mRNA degradation 4230.

treated, HeLa cells, hosts/encephalomyocarditis virus mRNA degradation, specificity, mechanisms 6901.

treated, HeLa cells, 2'-5'-oligo (A) polymerase, assays 6419.

treated cells, poly (I-C), effects on 5316.

treated cells, ribosomes-associated proteins, translation inhibition, review 2287.

treated cells, mRNA methylation/translation/regulation 2520.

treated L929 cells, mice, catalysis-initiation factor 2 phosphorylation 4136.

treated L929 cells, poly (I-C), effects on 6649, 6650.

Introns,

detection- genes, mice 7283.

ovalbumin, genes, chickens, effects on ovalbumin biosynthesis, *Escherichia coli* 7270.

ovalbumin genes, chickens, nucleotide sequence analysis 4363.

Iodine,

effects on RNA biosynthesis, liver, chickens 5406.

Iodine-125,decay, induced DNA breakage, DNA repair, *Micrococcus radiodurans* 3815.**Iodoacetamide,**

effects on ribosomal subunit 60S elongation activity, liver, rats 3510.

Ionic strength,

effects on chromatin cores particles conformation 6498.

effects on DNA dynamics, quasielastic light scattering 4287.

effects on histone H1-DNA complex aggregation 4539.

effects on ribonuclease activity 7305.

effects on translation, normal/adenovirus (human) 5-infected human cells/cell-free system 5338.

role-lactose operator-lactose repressor association 4565.

Ions,

concentration, effects on lactose repressor-lactose operator interaction 3340.

- Ipomoea batatas*,**
roots. DNA/RNA/proteins content, *Rhizopus stolonifer* infection, effects on 4435.
- Irehdiamine A,**
complex-DNA, conformation 337.
- Iron,**
complex-AMP, preparation/structure 4651.
determination-spectrophotometry, use-pyrimidine (6-amino-5-nitroso-1,2,3,4-tetra derivatives 1810.
effects on DNA biosynthesis, lymphocytes, iron-deficiency anaemia 5578.
inhibition-*Aspergillus* ribonuclease II 2177.
stimulation-ferritin biosynthesis, role ribosomes 3469.
- Isocyanate,**
reaction-diaminomaleonitrile, use-pyrimidines synthesis 1809.
- Iso-1-Cytochrome c,**
genes, *Saccharomyces cerevisiae*, nucleotide sequence 4983.
- Isoleucine,**
analogues, inhibition-protein biosynthesis 4733.
starvation, myeloma cells, effects on RNA biosynthesis 1987.
- Isonicotinic acid hydrazide,**
complex-copper, effects on Rous sarcoma virus RNA/DNA polymerase (RNA-dependent) 5640.
- Isoprenaline,**
effects on mitogens-induced DNA biosynthesis, lymphoid cells, rabbits 1671.
- Isoproterenol,**
complex formation-adenine/thymine/cytosine/uracil 6559.
effects on DNA biosynthesis circadian rhythms, ehrlich ascites tumour cells/normal cells 3842.
induced DNA biosynthesis, tissues, mice, β -aminopropionitrile, effects on 7202.
stimulation-histones/nonhistone proteins phosphorylation, salivary gland, rats 2848.
- JC virus,**
DNA, restriction endonuclease cleavage mapping 3740.
DNA homology BK virus/SV40 7045.
- Juncopox virus,**
DNA, characterization/molecular weight determination 1016.
- Juvenile hormone,**
analogues, effects on DNA biosynthesis/RNA biosynthesis, *Bombyx mori* silk gland 2105.
effects on RNA biosynthesis/protein biosynthesis, *Drosophila melanogaster* 901.
- K virus,**
DNA, comparison-polyoma virus 1013.
genome DNA, characterization 4331.
- Kainic acid,**
injection-striate cortex, rats, effects on protein biosynthesis/RNA biosynthesis 4836.
- Kanamycin,**
antibiotic resistance, transposons, transfer-*Rhizobium leguminosarum* 3851.
inhibition-tRNA (aminoacyl) translocation, *Escherichia coli* ribosomes 1913.
interaction-ribosomes/ribosomal subunits, *Escherichia coli*, inhibition-translocation 1443.
resistance determinants, phage P1 DNA, mapping 7038.
transposons, insertion sites, plasmids ColE1, nucleotide sequence 3704.
- Kanamycin B,**
interaction-*Escherichia coli* ribosomal subunits 6743.
- Kaolinite,**
effects on oligonucleotides formation during prebiosis 5794.
- KB cells,**
adenovirus (human) 2-infected, DNA complex-proteins 3988.
adenovirus (human) 2 temperature-sensitive mutant-infected, high molecular weight DNA biosynthesis 6269.
adenovirus (human) 5 infected, occurrence-hosts + viruses DNA cotranscripts 892.
adenovirus (human) 5 temperature-sensitive mutant-infected, DNA, characterization 6175.
adenovirus-transformed, DNA integration 1127.
cytosine arabinoside N⁴-acyl derivatives uptake/cytotoxicity 5769.
deoxyribonuclease, herpes simplex virus 1/herpes simplex virus 2-induced, purification/characterization 507.
DNA, strands scission-macromycin 4912.
DNA-binding protein, deoxyribonuclease inhibitors, purification/characterization 5239.
DNA damage, labelled thymidine combination-frog virus 3, effects on 6599.
DNA polymerase α , characterization 7373.
human, endodeoxyribonuclease, purification/characterization 508.
methyl methanesulphonate/4-nitroquinoline-1-oxide, DNA repair/damage 3169.
RNA polymerase I, heat, effects on 6414.
- Keratitis,**
herpes simplex virus, human, treatment-uridine (5'-iodo-2'-deoxy)/adenine arabinoside 1363.
herpes simplex virus, treatment-uridine (trifluoro) 2337.
- Keronopsis pulchra,**
chromatin fibres, electron microscopy 3313.
- Ketoxal,**
modification, phage MS2 RNA fragments 1469.
- Kilham rat virus,**
DNA, 3'-terminus nucleotide sequence 7053.
single-stranded DNA, 3'-terminus nucleotide sequence 6185.
single-stranded templates, use-double-stranded DNA biosynthesis 386.
- Kinetin,**
effects on histones composition/RNA content, *Cucumis sativus* cotyledons 6476.
effects on RNA biosynthesis/DNA biosynthesis, *Pinus pinea* seeds 1986.
effects on tobacco ringspot virus infectivity, *Nicotiana glutinosa* 5276.
- Kinetochores,**
PtK, cells, ribonucleoproteins localization 5194.
- Kinetoplasts,**
DNA, *Crithidia acanthocephali*, partial transcription 6857.
DNA, *Crithidia fasciculata*, characterization 6213.
DNA, structure/function, review 4005.
DNA, *Trypanosoma cruzi*, characterization-sedimentation analysis 4978.
- Trypanosoma cruzi*,** DNA, characterization 1038.
- Kirromycin,**
complex-elongation factor Tu, induction-hydrolysis GTP, role-cations 6755.
effects on elongation factor Tu binding-GDP/GTP 5911.
effects on elongation factor Tu-GTP interaction 2965.
effects on RNA biosynthesis, HeLa cells/Ehrlich ascites tumour 3017.
- Kirsten sarcoma virus,**
transformation, in vitro, evaluation-cytidine derivatives, antiviral activity 6603.

Kirsten sarcoma virus,(continued)

transformed fibroblasts, mice, revertants, loss-proviruses

DNA 7264.

transformed human cells, reversion, loss-DNA 6359.

***Klebsiella pneumoniae*,**

nif gene, cloning, review 4576.

nif gene, mapping 6210.

nif gene analysis, nitrogen fixation, genetic engineering 5103.

nif gene DNA sequence, cloning/characterization 7068.

nitrogen fixation, nif gene, cloning-plasmid pAC184/plasmid pCRA10 5102.

nitrogen fixation genes, phage Mu DNA integration, induced mutants 2162.

restriction endonuclease KpnI, DNA recognition sequence 1717.

***Kluyveromyces lactis*,**

β -galactosidase genes, cloning, *Escherichia coli* 1696.

permeabilized cells, DNA biosynthesis 1637.

***Krebs II ascites cells*,**

encephalomyocarditis virus infected, mRNA-containing ribonucleoproteins, characterization 5189.

initiation factors, purification/characterization 4752.

ribonuclease H, isolation/characterization 7318.

ribosomal protein L14/ribosomal protein S3 phosphorylation 206.

L cells,

cell division, role-tRNA Lys 6679.

chromosomes, deoxyribonucleoproteins attachment sites,

DNA, nucleotide sequence 2870.

DNA biosynthesis inhibition-nitroheterocycles, mechanisms 7176.

DNA replication, cycloheximide, effects on 463.

DNA-unwinding protein purification 1295.

encephalomyocarditis virus polynucleotide

adenylyltransferase activity 745.

interferon treated, ribonuclease activity, mengovirus

infection, effects on 3882.

mengovirus-infected, polypeptides-associated RNA

polymerase, characterization 7342.

methyl methanesulphonate/4-nitroquinoline-1-oxide, DNA repair/damage 3169.

nucleosomes fractions, isolation/characterization 6483.

protein biosynthesis patterns 5864.

radiation (X)-induced DNA single-stranded/double-stranded

breaks, cysteamine/2-aminoethylisothiuronium bromide/2-

mercaptopyrrolylglycine, effects on 6998.

ribonuclease F, isolation/characterization, role-interferon

activity 3228.

ribosomal proteins phosphorylation patterns, ricin, effects on 4738.

ricin-resistant, Sindbis virus/Semliki Forest virus replication 2498.

mRNA abundance, relationship-size/stability 5399.

RNA degradation/ATP depletion, temperature effects 1526.

satellite DNA, nucleotide sequence determination, use-phage T4 endonuclease IV 2092.

transcription in vitro, sensitivity-

ribosyldichlorobenzimidazole/rifamycin inhibition 4826.

uptake-exogenous DNA, stimulation- α -globulin 4438.

vaccinia virus-infected, ATP-independent DNA biosynthesis 1648.

virions, associated DNA polymerase (RNA-dependent), characterization 4515.

La Crosse virus,

RNA, identification-nucleocapsid protein coding segments 5422.

RNA genomes, comparison-Bunyamwera virus/California encephalitis virus 6784.

***Labyrinthula*,**

rRNA, molecular weight 5972.

Lachrymal gland,

human, deoxyribonuclease, detection/role 3891.

 α -Lactalbumin,

mRNA, content-mammary gland, rats, during gestation/lactation 6012.

mRNA, isolation-normal/tumours, human mammary gland 3522.

mRNA, regulation, mammary gland, rats 276.

mRNA, translation, mammary gland, rats 938.

 β -Lactamase,

genes, *Escherichia coli*, DNA repeated segments, isolation/characterization 7064.

***Lactobacillus acidophilus*,**

adenosine ($N^6(\Delta^2$ -isopentenyl)) containing tRNA, half-life 3448.

***Lactobacillus casei*,**

TMP synthetase, inhibition-UMP (5(α -bromoacetyl)-2'-deoxy) 5648.

TMP synthetase, sulphhydryl groups modification, polyoxyanions, effects on 3280.

TMP synthetase, UMP (5-fluoro-2'-deoxy) dissociation, 5,10-methylenetetrahydrofolate, effects on 2220.

***Lactobacillus leichmannii*,**

ribonucleoside-triphosphate reductase, inhibition-CTP arabinoside 4055.

Lactogen,

mRNA, human placenta, translation-*Xenopus laevis* oocytes 5436.

 β -Lactoglobulin,

precursors, biosynthesis-wheat germ cell-free system,

mRNA, mammary gland, cattle, translation 4250.

***Lagenaria vulgaris*,**

leaves, RNA content, bottlegourd mosaic virus, effects on 2501.

Lanthanide,

interaction-ADP/dADP, n.m.r. 5301.

Lanthanum,

binding-DNA 6954.

***Lattuca sativa*,**

DNA, cytosine (5-methyl) content, gibberellic acid, effects on 1073.

Lead,

compounds, catalysis-oligonucleotides synthesis 6630.

exposure, effects on membrane-bound ribosomes,

Micrococcus luteus 4731.

Ledakrin,

inhibition-RNA biosynthesis in vitro, mechanisms 3601.

Leghaemoglobin,

complementary DNA, preparation/leghaemoglobin genes

localization, *Glycine max* 2169.

genes, *Glycine max*, cloning 6374.

mRNA, *Lupinus*, isolation/translation 6930.

Legionnaire's disease agent,

DNA, characterization 2646.

***Leishmania tarentolae*,**

kinetoplasts DNA, isolation-components 4881.

***Lemna gibba*,**

nuclei, RNA polymerase I/RNA polymerase II activity during continuous light 7344.

mRNA, regulation-light 920.

***Lemna gibba*, (continued)**

RNA biosynthesis. light radiation, effects on 6023.

***Lemna minor*,**

DNA biosynthesis/RNA biosynthesis, atrazine, effects on 3193.

Lettuce necrotic yellow virus,

RNA polymerase (RNA-dependent), assays, infected plants 3258.

Lettuce speckles mottle virus,

double-stranded RNA, sedimentation 5967.

Leu-enkephalin,

synthetic genes, cloning/expression-*Escherichia coli* 6365.

Leucocytes,

human, DNA nucleotidyltransferase, assay 4512.

human, interferon, inhibition-DNA biosynthesis, RSA cells 1109.

human, radiation (u.v.)-induced DNA repair, age, effects on 7177.

Leucocytes (mononuclear),

subpopulations, human, yellow fever virus vaccination, DNA biosynthesis 3183.

Leucocytes (polymorphonuclear),

human, RNA biosynthesis/protein biosynthesis 4817.

phagocytosis, role-protein biosynthesis 1897.

Leucomycin,

derivatives, antibacterial activity, *Escherichia coli*, relationship-ribosomes binding 209.

Leucovorin,

combination-high-dose methotrexate, treatment, osteogenic sarcoma, effects on DNA biosynthesis, bone marrow 460.

Leukaemia,

cells, human, detection-oncornavirus DNA polymerase (RNA-dependent) 6437.

cells, human, detection-viruses-related DNA 6943.

cells, human, DNA, homology-RNA, Moloney leukaemia virus 7100.

cells, human, Philadelphia chromosome-positive, sister chromatid exchange 1297.

cells, human, RNA, occurrence-oncornavirus nucleotide sequence-oncornavirus, nucleotide sequence, occurrence-human leukaemia cells RNA 2477.

cells, human, TMP synthetase, purification/characterization 3931.

cells, human, uptake-DNA complex-daunorubicin/doxorubicin 7229.

cells, mice, DNA, trans-dichlorodiammine platinum (II)-induced cross-linking-proteins, quantitation, methodology 6542.

cells, mice, quantitation-intercalating agents-induced DNA strands breaks 6251.

diagnosis, human, role-DNA nucleotidyltransferase 1201.

human, oncornavirus association/detection, review 2282.

induction-N-butyl-N-nitrosourea, chromosomes, rats 636.

myeloblasts, stimulation-DNA biosynthesis, inhibition-lymphocytes B antisera 3174.

Leukaemia (acute),

analysis-human peripheral blood cells DNA content during treatment 4874.

cells, human, DNA reassociation kinetics 5007.

chromosomes, human, hybridization-satellite DNA 1790.

treatment, use-DNA complex-daunorubicin/doxorubicin 7234.

Leukaemia (acute nonlymphatic),

cells, sensitivity-DNA complex-daunorubicin 7233.

treatment, use-DNA complex-daunorubicin 7232.

Leukaemia (acute nonlymphoblastic),

human, treatment, use DNA complex-daunorubicin 7235.

Leukaemia (chronic lymphatic),

human, lymphocytes B, DNA biosynthesis, mitogens, effects on 3192.

lymphocyte, RNA (heterogeneous nuclear), double-stranded RNA content 1459.

lymphocytes, DNA biosynthesis/poly(ADP-ribose) biosynthesis, human 1666.

lymphocytes, RNA (heterogeneous nuclear), double-stranded RNA content 230.

Leukaemia (chronic lymphocytic),

effects on DNA methylation, lymphocytes, cattle 6888.

Leukaemia L1210 cells,

DNA damage, induction-4'-(9-acridinylamino)-N-methanesulphonyl-m-anisi 355.

Leukaemia L5222,

treatment-cyclophosphamide, uridine (5-ethyl-2'-deoxy), effects on 4648.

Leupeptin,

effects on radiation (X)-induced sister chromatid exchange, C3H cells, mice 5226.

Levamisole,

effects on DNA biosynthesis, macrophages 4431.

Light,

effects on chromosome aberrations, cells, mice 6516.

effects on 7,12-dimethylbenz(a)anthracene/benzo(a)pyrene binding-DNA, embryo cells, hamsters 2574.

effects on neocarzinostatin DNA cleavage 341.

effects on wheat germ tRNA Phe nucleotide sequence 6673.

***Lilium candidum*,**

DNA/histones content during development 604.

***Lilium longiflorum*,**

chromosomes, DNA biosynthesis during meiosis, electron microscopy + autoradiography 7221.

***Limnaea*,**

embryos, RNA biosynthesis, inhibition-cerulein 6838.

Linear dichroism,

DNA, binding-N-acetoxy-2-acetylaminofluorene 3678.

Lipiamycin,

inhibition-RNA polymerase transcription initiation, bacteria 4485.

Lipid membranes,

adsorption, polynucleotides, denaturation, effects on 3425.

Lipoproteins,

Escherichia coli outer membranes, genes regions, restriction endonuclease cleavage sites 7066.

genes, Enterobacteriaceae, DNA homology 4965.

very low density lipoprotein, production, liver, rats,

stimulation-fatty acids, role-RNA biosynthesis 2518.

Liposomes,

adsorption-polynucleotides 3435.

immobilization-plasmid pMB9 DNA 6335.

use-nucleotides/oligonucleotides derivatives incorporation-mammalian cells 6645.

 β -Lipotropin,

corticotropin, precursors, cattle, cloned complementary DNA, nucleotide sequence 3779.

precursors mRNA, distribution-pituitary, cattle 4148.

precursors mRNA, pituitary, cattle, purification/characterization 5398.

mRNA, mice, complementary DNA fragments cloning/sequence analysis 5523.

***Locusta migratoria*,**

testis DNA, quantitation 6938.

Lucanthone,

effects on rRNA gene transcription, *Tetrahymena pyriformis* 5411.

- Lumazine**, nucleotides derivatives, synthesis/properties 6615.
- Lupinus**, cotyledons, tRNA Met aminoacylation during germination 6685.
- leghaemoglobin mRNA, isolation/translation 6930.
- nodules, *Rhizobium* bacteroids protein biosynthesis, polypeptides labelling 6705.
- seedlings, cotyledons, nucleoside phosphotransferase, purification/characterization 7382.
- Lupinus augustifolius**, genomes DNA, sequence folding, isolation/characterization 7102.
- Lupinus luteus**, tRNA (aminoacyl) synthetase activity, proteins interaction, effects on 6687.
- tRNA (seryl) synthetase/tRNA (valyl) synthetase intermediates, characterization 4089.
- seeds, tRNA (methionyl) synthetase, purification/properties 2392.
- seeds, tRNA Lys base composition 759.
- tRNA adenylyltransferase, characterization 781.
- tRNA adenylyltransferase, purification 780.
- Luteinizing hormone-releasing hormone**, effects on RNA biosynthesis, brain regions, rats 3590.
- effects on RNA biosynthesis, pituitary cells, rats 1512.
- effects on RNA biosynthesis, pituitary, rats 3589.
- Lycopersicon esculentum**, leaves, RNA/proteins content, (2-chloroethyl)-trimethyl ammonium chloride/sodium chloride, effects on 297.
- mRNA content, during ripening 1538.
- tomato white necrosis virus infection, inhibition-ribavirin 2697.
- tumour cells, citrus exocortis viroid + *Agrobacterium tumefaciens* infection, detection-citrus exocortis viroid RNA 837.
- Lycorine**, effects on DNA biosynthesis, *Allium cepa* roots 7219.
- Lygodium japonicum**, DNA biosynthesis, spores germination 1067.
- Lymantria dispar**, cytoplasmic polyhedrosis virus, RNA, properties 3536.
- nuclear polyhedrosis virus, DNA, characterization 6188.
- Lymph nodes**, cells, rats, tritiated thymidine/cytidine (deoxy) utilization, comparison 5290.
- rats, RNA base composition/ribosomes aggregation, skin xenografts, effects on 4734.
- Lymphoblastoid cell lines**, baboons, Herpesvirus papio DNA, characterization 7051.
- DNA repair, induction-hydroxyurea, liver microsomes, effects on 6309.
- herpes simplex virus-transformed, DNA biosynthesis, inhibition-insulin 3806.
- high molecular weight DNA nucleotidylexotransferase, characterization 5157.
- histocompatibility antigens heavy chains/light chains mRNA, translation-cell-free system 5437.
- human, DNA, occurrence-initiator RNA 5932.
- human, infectious mononucleosis-derived, Epstein-Barr virus circular DNA, size 3732.
- human, interferon, ribonuclease activity 6388.
- human, interferon mRNA, characterization 6389.
- human, transfection-herpes simplex virus 1 DNA 4453.
- immune RNA, transfer-immune information 3283.
- xeroderma pigmentosum, N-methyl-N'-nitro-N-nitrosoguanidine induced guanine (O⁶-methyl), DNA, excision selectivity 5562.
- Lymphoblastoma**, cells, DNA biosynthesis/RNA biosynthesis, neothramycin/ effects on 5035.
- cells, mice, DNA biosynthesis, auromomycin-induced strands breaks 7182.
- Lymphoblasts**, human, adenosine/adenine, effects on 711.
- human, DNA glycosylase, purification/characterization 4521.
- Lymphoblasts B**, adenosine (deoxy) toxicity, role-5'-nucleotidase 5284.
- Lymphoblasts T**, adenosine (deoxy) toxicity, role-5'-nucleotidase 5284.
- Lymphocytes**, activation-immune RNA, kinetics analysis 5181.
- cattle, DNA methylation, leukaemia (chronic lymphocytic), effects on 6888.
- cattle, DNA methylation specificity 1675.
- cattle, leukaemia, DNA polymerase activity 5149.
- chromatin, replication in vitro, structure 1269.
- cytolysis, inhibition-adenosine (3-deaza) 4640.
- DNA biosynthesis, induction-concanavalin A, kinetics 1107.
- DNA biosynthesis, induction *Neisseria gonorrhoeae*, Reiter's disease 3841.
- DNA biosynthesis, inhibition-methyl acetimidate/dimethyladipimate 4429.
- DNA biosynthesis, inhibition-thymus extracts 5067.
- DNA biosynthesis inhibitors, characterization 3190.
- DNA sedimentation properties, erythrocytes, effects on 2093.
- guinea-pigs, DNA biosynthesis, amino acids, effects on 3188.
- human, aplastic anaemia, DNA, characterization 411.
- human, cell culture, nucleoproteins, occurrence-RNA 589.
- human, DNA biosynthesis, inhibition-macrophages immunosuppressive factor 2135.
- human, DNA biosynthesis, stimulation-*Escherichia coli* lipopolysaccharides 2137.
- human, DNA biosynthesis, stimulation-organomercurials 5577.
- human, DNA biosynthesis/RNA biosynthesis/protein biosynthesis, α -difluoromethylornithine/methylglyoxal bis(guanyldiazotone), effects on 3187.
- human, DNA repair, excision, recurrent herpes simplex virus 4405.
- human, DNA replication, anaemia (megaloblastic), effects on 7218.
- human, excision DNA repair, radiation (u.v.) saturation, effects on 6311.
- human, growth/function, adenosine (deoxy)/guanosine (deoxy), effects on 4642.
- human, normal/leukaemia (chronic lymphatic), DNA biosynthesis/poly(ADP-ribose) biosynthesis 1666.
- human, normal/leukaemia, nuclei/cytoplasm, content-poly(A)-containing RNA 2437.
- human, phytohaemagglutinin induced stimulation, inhibition-cytokinins 5280.
- human, phytohaemagglutinin-stimulated, CDP reductase activity 3924.
- human, phytohaemagglutinin-stimulated, poly (A)-containing mRNA, degradation phytohaemagglutinin 6055.
- human, cis-platinum diamminedichloride(II) mutagenesis 2718.
- human, ribosomes-bound translation inhibitors, characterization 5902.
- human, sister chromatid exchange, chemicals-induced DNA damage 7448.
- human, tritiated thymidine/cytidine (deoxy) utilization,

Lymphocytes,(continued)

- comparison 5291.
- human, uracil-DNA glycosidase-induction during stimulation 6452.
- human lung tumours, adenosine deaminase/purine-nucleoside phosphorylase activity 2813.
- inhibition-bone marrow stem cells, RNA, liver, cattle, effects on 5650.
- irradiated, DNA alkaline denaturation, kinetics, relationship-single stranded breaks frequency 5468.
- lymphocytes B, man, Epstein-Barr virus transformation 5596.
- mammals, purine-nucleoside phosphorylase distribution 1740.
- normal/leukaemia (chronic lymphatic), RNA (heterogeneous nuclear), double-stranded RNA content 230, 1459.
- phytohaemagglutinin stimulated, DNA repair following radiation (u.v.) 6310.
- phytohaemagglutinin-stimulated, DNA synthesis, measurement 6332.
- pigs, irradiated, DNA repair 436.
- spleen, mice, mRNA-containing ribonucleoproteins, characterization 2234.
- stimulation-concanavalin A, effects on ribosomes biological activity 2429.
- systemic lupus erythematosus, effects on DNA biosynthesis, human bone marrow cells 3181.
- transformation, induction-autologous DNA 3200.
- transformation, role-glycolysis 1141.

Lymphocytes B,

- adenosine (deoxy)/guanosine (deoxy), effects on 103.
- antisera, inhibition-leukaemia myeloblasts DNA biosynthesis stimulation 3174.
- binding-poly (I.C), mice 4673.
- DNA biosynthesis, mitogens, effects on 3192.
- DNA metabolism, inhibition-Epstein-Barr virus 2102.
- human, 5'-nucleotidase activity 5164.
- human, radiation (u.v.)-induced excision DNA repair, hydroxyurea/cytosine arabinoside, effects on 6308.
- mice, binding-poly (I.C) 4673.

Lymphocytes T,

- adenosine (deoxy)/guanosine (deoxy), effects on 103.
- human, 5'-nucleotidase activity 5164.
- human, radiation (u.v.)-induced excision DNA repair, hydroxyurea/cytosine arabinoside, effects on 6308.
- human malignant, adenosine (deoxy)/thymidine toxicity 5285.
- insulin binding sites development, role-RNA biosynthesis/protein biosynthesis 6889.

Lymphoid cell lines,

- normal/abnormal, human, carcinogens/mutagens effects on DNA repair/chromosome aberrations/sister chromatid exchange 5051.

Lymphoid cells,

- DNA, damage-N-acetoxy-2-acetylaminofluorene 2573.
- rabbits, mitogens-induced DNA biosynthesis, nucleotides (cyclic)/isoprenaline/cholera toxin, effects on 1671.

Lymphoma,

- see also **Burkitt's lymphoma**
- cells, mice, chromatin structure, glucocorticoids, effects on 7445.
- cells, mice, DNA methylation during growth 6845.
- diagnosis, human, role-DNA nucleotidylexotransferase 1201.
- human, DNA nucleotidylexotransferase activity 5639.
- Thy-1 antigen-positive, DNA biosynthesis/RNA biosynthesis, mitogens, effects on 5580.

Lymphosarcoma,

- mice, nonhistone proteins phosphorylation, hydrocortisone, effects on 7425.
- rats, phase T2 antibodies induction-infected spleen RNA

6899.

- Tupaia belangeri*, herpesvirus DNA, restriction endonuclease EcoRI analysis 6183.

Lysine,

- codons, suppressors, isolation/characterization, *Escherichia coli* 2939.
- complex-poly (I.C), interferon induction, dogs 5813.
- copolymers-amino acids (aromatic), interaction-DNA 5471.
- deficiency, rats, effects on DNA/chromatin metabolism, liver 452.
- interaction-phase J1 DNA 4265.

Lysosomes,

- liver, mice, deoxyribonuclease II activity, Friend leukaemia virus infection, effects on 5135.

Lysozyme,

- genes, chickens, isolation/characterization 6233.
- genes, chickens, organization 3128.
- mRNA, control during oestrogen administration/withdrawal, chickens 3012.
- mRNA, genes, cloning 484.

Lytechinus pictus,

- histones, RNA transcription-RNA polymerase II 1727.
- histones mRNA biosynthesis, association-embryogenesis 285.
- repetitive DNA frequency, evolutionary genetics 2085.
- zygotes, maternal mRNA poly (A), complex formation-proteins following fertilization 5245.

Lytechinus variegatus,

- rRNA gene, structure 6225.
- rRNA gene clusters, restriction endonuclease analysis/cloning 4987.
- rRNA gene regions, mapping 7083.
- sperm, satellite DNA, characterization 397, 1617.
- spermatozoa, high molecular weight satellite DNA, isolation 955.
- spermatozoa/embryos, DNA, cytosine (5-methyl) content 3123.

L1210 cells,

- DNA, cross-linking-nonhistone proteins, bis(2-chloroethyl) methylamine 961.
- DNA biosynthesis, 1,3-bis(2-chloroethyl)-1-nitrosourea, effects on 5561.
- DNA polymerase α /DNA polymerase β /DNA polymerase γ /DNA polymerase (RNA-dependent), inhibition-phosphonoacetic acid 2798.
- mice, RNA polymerase, characterization 520.
- 5'-nucleotidase activity 7387.
- RNA biosynthesis, inhibition-adenine (9- β -D-xylofuranosyl), coformycin (2'-deoxy), effects on 2512.

L929 cells,

- interferon-mediated RNA degradation, properties 1541.
- interferon mRNA, translation in vitro/in vivo 940.
- interferon-treated, mice, catalysis-initiation factor 2 phosphorylation 4136.
- interferon-treated, poly (I.C), effects on 6649, 6650.
- mice, interferon-treated/viruses-infected, proteins phosphorylation, double-stranded RNA, effects on 2524.
- poly (I.C)/DEAE-dextran, interferon-induction 5315.
- reovirus mRNA caps methylation, interferon, effects on 5957.

Macaca arctoides,

- C-type virus, related sequence, occurrence-carnivores DNA 4257.

Macromomycin,

damage-DNA, HeLa cells 2043.
DNA strands scission, KB cells 4912.
effects on DNA biosynthesis/DNA strands breakage,
tumour cells 5564.

Macromycin,

inhibition-DNA biosynthesis/DNA damage, Novikoff
hepatoma ascites cells 6102.

Macronuclei,

Stylonychia mytilus, chromatin structure 3334.

Macrophages,

DNA levels, assays 3057.
human, immunosuppressive factor, inhibition-DNA
biosynthesis, lymphocytes 2135.
human, immunosuppressive factor, inhibition-DNA
biosynthesis/RNA biosynthesis/protein biosynthesis,
lymphocytes 2136.
mice, differentiation stimulating factor production,
stimulation-poly (I-C)/poly (A-U) 2368.
mice, DNA biosynthesis, foreign-body tumorigenesis 2124.
silicon oxide-treated supernatants, effects on DNA/RNA
metabolism, granuloma cells, rats 6316.

Magnesium,

binding-oligonucleotides 3433.
effects on *Bacillus stearothermophilus* elongation factor Tu
properties 4745.
effects on DNA biosynthesis inhibition-calcium deprivation,
3T3 cells 465.
effects on DNA biosynthesis/RNA biosynthesis/protein
biosynthesis, Novikoff hepatoma/normal liver cells 2730.
effects on *Escherichia coli* ribosomes translocation assays
5351.
effects on *Escherichia coli* tRNA (phenylalanyl) synthetase
catalytic properties 6692.
effects on histone H1-poly (ADP-ribose) complex formation
603.
effects on phage QB read-through protein biosynthesis,
Escherichia coli cell-free system 6701.
effects on protein biosynthesis/DNA biosynthesis, BALB/
c3T3 cells 7208.
effects on ribosomal proteins iodination 5352.
role-tRNA Ile aminoacylation, *Escherichia coli* 770.
starvation, effects on ribosomal proteins dissociation-
Escherichia coli polyribosomes 6728.

Magnesium chloride,

effects on tRNA (aminoacyl) synthetase chromatography
(affinity) 2387.

Maleic hydrazide,

effects on RNA biosynthesis, *Pisum* seeds 6048.

Malic enzyme,

mRNA, liver, chickens, translation-wheat germ lysates/
Xenopus laevis oocytes 6069.

Malobacterium cutirubrum,

rRNA 5S, nucleotide sequence 249.

Mammalian cells,

DNA, replication initiation sites, spatial distribution,
statistical analysis 4367.
role-adenosine/adenosine (2'-deoxy), review 5701.

Mammary gland,

human, normal/tumours, isolation-caseins/ α -lactalbumin
mRNA 3522.
mice, DNA biosynthesis, *Nocardia rubra* cell walls skeleton,
effects on 2724.
rats, α -lactalbumin mRNA translation 938.
rats, ribonuclease activity, stimulation-calcium 2773.
Mammary gland tumours,
mice strains, DNA, mammary tumour virus proviruses

sequence detection 6086.

Mammary tumour virus,

DNA, endogenous, comparison-normal/feral mice 4454.
DNA, integration sites-hepatoma cells, rats, characterization
3864.
DNA, integration-viruses infected normal mammary gland/
tumours, mice 3863.
DNA-binding protein, purification/characterization 2268.
expression, during mammary gland tumourigenesis, BALB/c
mice 3598.
expression-BALB/c cells, dexamethasone, effects on 6829.
intracellular RNA, structure analysis 5378.
proviruses DNA sequence detection-mammary gland
tumours, mice strains 6086.
related DNA sequence, rats, distribution 7092.
RNA, detection-BALB/c cells 2435.
mRNA, detection-producer cells, mice 4754.
RNA, expression during mammary gland development, mice
4237.
RNA, expression-mammary gland cells, mice 2755.
RNA, translation, precursors polypeptides phosphorylation
2395.
mRNA, translation-cell-free system 4093.
RNA biosynthesis, regulation-embryos carcinoma cells/
teratocarcinoma myoblasts 6003.
RNA biosynthesis, urethane/radiation (X)/hormones-
induced mammary gland tumours, BALB/c cells 6820.
mRNA 35S/mRNA 24S, translation, reticulocyte lysate,
rabbits, identification-products 4852.
specific DNA, distribution-chromosomes, mice 4258.
transformed cells, adenosine (5'-deoxy-5'-S-isobutyl), effects
on 1848.
Manduca sexta,
larvae, fat bodies, RNA polymerase II, isolation/
characterization 2791.
Manganese,
ATP complex, e.s.r./n.m.r. 1856.
complex-ADP, n.m.r. 119.
effects on RNA biosynthesis/protein biosynthesis, *Zea mays*
coleoptiles 2509.
interaction-ADP/dADP, n.m.r. 5301.
interaction-ATP, n.m.r./e.s.r. 6621.
interaction-tRNA-derived nucleosides analogues, n.m.r. 4626.
D-Mannofuranose,
adenine nucleosides/guanine nucleosides, synthesis 68.
Marck's disease virus,
DNA, comparison-herpesvirus (turkey) 4952.
DNA, integrated-tumour cell lines, chickens 7054.
DNA homology-herpesvirus (turkey) 4328.
genomes, transcription-lymphoblastoid cell lines, chickens
3581.
transcription control, induced tumours, chickens 4189.
transformed lymphoid cell lines, avian sarcoma virus
restriction 1686.
Mason-Pfizer monkey virus,
proviruses sequence detection, DNA, placenta, *Macaca*
mulatta 6089.
Mass spectroscopy,
analysis-DNA base composition 2593.
characterization-DNA modified bases 6130.
dinucleoside monophosphates methylation products 2348.
ionization, purines/pyrimidines/nucleosides/nucleotides 6556.
mass spectrometryformycin B, antibiotics, strature 1844.
nucleoside monophosphate 4654.
oligonucleotides pyrolysis products 145.
uracil (1,3-dimethyl) + thymine (1,3-dimethyl) base stacking
4617.

Mass spectroscopy, (continued)

uracil methyl derivatives 45.

Mastocytoma,cells, mice, DNA inverted repeat sequence, distribution/
methylation 7101.**Mastomys natalensis,**

papilloma virus DNA, characterization 2631.

Matrix protein,

nuclei, mice, DNA binding 3984.

Matthiola incana,

seedlings, nuclei, uptake-homologous DNA 6341.

MDCK cells,nuclei, accumulation-influenza virus RNA transcription
products, antibiotics, effects on 3580.**Measles virus,**infected Vero cells, RNA translation-wheat germ cell-free
system 6905.proviruses, DNA, detection-systemic lupus erythematosus
5440.

replication, inhibition-ribavirin 1647.

Medroxyprogesterone acetate,effects on RNA polymerase I/RNA polymerase II/chromatin
template activity, kidney, mice 1184.**Meiosis,**

chromosomes, condensation/duplication 2864.

pigs/rabbits oocytes, fate-RNA/proteins 307.

Saccharomyces cerevisiae, inhibition-ammonia 789.**Melanin,**biosynthesis, tissues/cell lines, melanoma, relationship-tRNA
Tyr 4686.**Melanoma,**

cell lines, human, chromosomes damage-melphalan 1274.

cell lines, human, resistance-radiation (u.v.)/radiation
(ionizing), cloning methodology, effects on 2584.

cells, DNA biosynthesis, prostaglandins, effects on 6283.

cells, hamsters, DNA uridine (5-bromodeoxy) distribution,
cytidine (deoxy), effects on 7095.cells, mice, DNA biosynthesis, N-alkyl-N-nitrosoureas,
effects on 6293.human, DNA polymerase (RNA-dependent), purification/
characterization 5162.tissues/cell lines, tRNA Tyr, relationship-melanin
biosynthesis 4686.**Melanoma B16,**

mice, high molecular weight RNA, characterization 2480.

Melittin,

mRNA, isolation/translation 5707.

Melphalan,

damage-chromosomes, human melanoma cell lines 1274.

Membrane proteins,role-vesicular stomatitis virus inhibition-DNA polymerase
(RNA-dependent), in vitro 3268.**Membrane vesicles,***Haemophilus parainfluenzae*, DNA binding activity 6527.**Membranes,**components, reticulocytes, inhibition-protein biosynthesis
elongation 5362.

mitochondria, adsorption-polynucleotides 3435.

reticulocytes, rabbits, ribonuclease M, isolation/
characterization 3886.role-DNA biosynthesis, radiation-treated *Escherichia coli*
5013.**Mengovirus,**

antiviral agents, pyrimidines derivatives 1346.

double-stranded RNA, replicative form infectivity,
conversion-replicative intermediates 6895.

infected L cells, polypeptides-associated RNA polymerase,

characterization 7342.

infection, effects on ribonuclease activity, interferon treated L
cells 3882.

infection, protection-poly (I.C)/interferon 6653.

C-nucleosides, antiviral activity 6610.

RNA, infectivity, characterization 3629.

RNA, isolation, methodology 3528.

RNA, isolation/characterization 5379.

RNA, 5'-terminus proteins lacking, translation-cell-free
system 4238.RNA, translation-*Acetabularia* cytoplasm 1529.**2-Mercaptopropionylglycine,**effects on radiation (X)-induced DNA single-stranded/
double-stranded breaks, L cells 6998.**2-Mercapto-1-(β -4-Pyridethyl) benzimidazole,**inhibition-DNA polymerase induction, herpes simplex virus
2, HeLa cells 2797.

effects on vaccinia virus replication, HeLa cells 3804.

Mercurialis annua,

ribosomes, binding-cytokinins 6575.

Mercuric chloride,

complex formation-nucleosides 81.

Mercury,effects on *Escherichia coli* DNA hydroxyapatite
chromatography 328.**Metallothionein,**mRNA, liver, rats, purification/characterization, translation-
wheat germ cell-free system 2475.mRNA, liver, rats, translation-wheat germ cell-free system
2540.**Metals,**see also **specific metals**activators, effects on *Escherichia coli* DNA polymerase I
DNA biosynthesis in vitro, fidelity 4504.

binding-cytidine, n.m.r./spectroscopy (Raman) 2327.

colouration-pyrimidine (6-amino-5-nitroso-1,2,3,4-tetra-
derivatives 2309.

complex-DNA, dielectric dispersion 980.

complex-DNA, spectroscopy (u.v.) 6955.

complex-tetracycline, binding-DNA/polynucleotides 4269.

complex-uridine/thymidine, preparation 1838.

complexes-bleomycin, effects on DNA, V79 cells 338.

effects on adenosine (etheno) derivatives fluorescence 4629.

effects on adenosine/AMP/ADP/ATP electrophoresis 3392.

effects on deoxyribonucleoproteins 1755.

effects on DNA electrochemical insolubilization 5473.

interaction-ATP, spectroscopy (Raman) 5783.

interaction-nucleosides/nucleotides 69.

role-daunomycinone/daunomycin/adriamycin binding-DNA/
polynucleotides 4268.**Metepa,**effects on DNA biosynthesis, *Blepharisma intermedium*
6291.effects on RNA biosynthesis, *Blepharisma intermedium*
6019.effects on *Stylonychia notophora* RNA biosynthesis/protein
biosynthesis 1990.**Methadone,**perinatal, effects on DNA biosynthesis/RNA biosynthesis/
protein biosynthesis, brain, rats 3835.**Methanobacterium thermoautotrophicum,**

genomes DNA, organization 7069.

Methionine,analogues, effects on rRNA biosynthesis, *Saccharomyces*
cerevisiae 3015.

deprivation, effects on Sindbis virus RNA biosynthesis,

Aedes albopictus cells 4192.

Methionine,(continued)

effects on DNA biosynthesis, human bone marrow cells 459.
starvation, Vero cells, base Y-lacking tRNA Phe biosynthesis 175.

Methionine sulphoximide,

effects on RNA methylation, brain, rats 4689.

Methotrexate,

effects on RNA polymerase I/RNA polymerase II, Rauscher leukaemia virus-infected spleen, mice 7345.

high-dose, combination-leucovorin, treatment, osteogenic sarcoma, effects on DNA biosynthesis, bone marrow 460.
polyglutamates derivatives, accumulation, human fibroblasts, inhibition-DNA biosynthesis 3839.

Methoxyflurane,

effects on RNA biosynthesis, kidneys, rats 4835.

8-Methoxypsoralen,

combination-light, DNA repair, *Saccharomyces cerevisiae* radiosensitive mutants 2111.

combination-radiation (u.v.), effects on DNA 4281.

induction-DNA repair, lens epithelium, rats 2710.

Methyl acetimidate,

inhibition-DNA biosynthesis, lymphocytes 4429.

Methyl green,

use-*Escherichia coli* DNA quantitation 6081.

N-Methyl isatin β -thiosemicarbazone,

copper complex, effects on Rous sarcoma virus DNA polymerase (RNA-dependent)/ribonuclease H 1738.

Methyl mercury,

binding-purine nucleosides 6579.

Methyl methanesulphonate,

alkylation-purines/pyrimidines/nucleosides/nucleotides 4613.
damage/DNA repair, L cells/KB cells 3169.

induced breakage, DNA repair, *Saccharomyces cerevisiae* 5553.

induced damage, *Escherichia coli* mutants, DNA repair pathway 5547.

induced damage/DNA repair, assays 4401.

interaction-radiation (u.v.), induced DNA repair, *Escherichia coli* K12 7138.

10-Methylacridine,

binding-calf thymus DNA 967.

Methylazoxymethanol acetate,

effects on DNA biosynthesis, colon organ culture, rabbits 2138.

inhibition-protein biosynthesis, liver, rats, mechanisms 6707.

Methylbenzyl nitrosamine,

DNA methylation, organs, rats 6983.

N-Methylcarbamate,

derivatives, mutagenesis, *Salmonella typhimurium* 973.

3-Methylcholanthrene,

binding-BHK-21 cells DNA 6982.

binding-DNA, human diploid fibroblasts 2053.

binding-DNA, lung, mice strains 6981.

binding-DNA, lung/liver, mice, comparison-in vivo/in vitro 3670.

binding-DNA, mice 2056.

metabolites, binding-DNA 2060.

Methylcobalamin,

effects on DNA methylation, *Propionibacterium shermanii* 5072.

5,10-Methylenetetrahydrofolate,

effects on UMP (5-fluoro-2'-deoxy) dissociation,

Lactobacillus casei TMP synthetase 2220.

Methylglyoxal bis(guanyldrazone),

effects on DNA biosynthesis/RNA biosynthesis/protein biosynthesis, human lymphocytes 3187.

O-Methylhydroxylamine,

induction-mutations, phage Sd DNA, mechanisms 6111.

N-Methylisatin- β -Thiosemicarbazone,

complex-copper sulphate, inhibition-*Escherichia coli* DNA polymerase I 6424.

Methylmercury,

effects on calf thymus DNA c.d./spectroscopy (u.v.) 6245.
induced sedimentation heterogeneity, phage T7 DNA 7041.

Methylmercury hydroxide,

effects on chickens oviduct ovalbumin/conalbumin mRNA transcription/translation-rabbits reticulocyte lysate 6874.

N-Methyl-N'-Nitro-N-Nitrosoguanidine,

induced guanine (O⁶-methyl), DNA, xeroderma pigmentosum lymphoblastoid cell lines, excision selectivity 5562.

induction-skin tumours, croton oil enhancement, role-DNA biosynthesis, mice 3832.

effects on DNA polymerase I DNA repair synthesis, toluene treated *Escherichia coli* 5031.

induced damage, adenovirus (human) 5, host cell

reactivation, human brain tumour cells 6314.

induction-transformation, embryo cells, hamsters, uridine(5'-bromo-2'-deoxy)-photolysis, effects on 3411.

modification-chromatin, liver, rats, *Escherichia coli* RNA polymerase templates activity, effects on 6497.

mutagenesis, Chinese hamsters cells, thymidine/cytidine (deoxy), effects on 4645.

treated *Escherichia coli*, guanine (O⁶-methyl) removal-*Micrococcus luteus* DNA 7146.

treatment, phage T4, DNA repair, recombination 7130.

(N-Methyl-N-nitroso-carbamyl)-L-ornithine,

DNA damage, pancreas, rats 4902.

N-Methyl-N-Nitrosocarbamate,

insecticides, mutagenicity, *Escherichia coli*, relationship-DNA repair capacity 3154.

Methylnitrosocyanamide,

mutagenesis, *Escherichia coli*, mechanisms 3677.

N-Methyl-N-Nitrosourea,

alkylation-poly d(A-T) 1378.

induced damage, DNA repair, LL cells 5050.

DNA alkylation products, mice, analysis, chromatography (high-pressure liquid) 1566.

effects on adenine (N³-methyl) release, chromatin DNA, liver, rats 4551.

effects on DNA biosynthesis/RNA biosynthesis/protein biosynthesis, cell culture/mengovirus 3594.

effects on DNA content, *Nicotiana* mesophyll protoplasts 2123.

effects on DNA repair, *Bacillus subtilis* DNA-membranes complex 4396.

effects on guanine (O⁶-methyl) accumulation-DNA, mammary gland, rats 6984.

induced, single-stranded breakage, DNA repair, *Escherichia coli*, recA gene/poiA1 gene/exrA gene mutations, effects on 7140.

induced damage, DNA, *Bacillus stearothermophilus*, resistance 3810.

induced damage, spermatozoa, mice, DNA repair 5044.

methylation-chromatin DNA, inhibition-spermine/distamycin A 972.

pretreatment-DNA, organs, rats, guanine (O⁶-methyl) distribution 6110.

treated V-79 cells, DNA repair 7178.

treatment-DNA, deoxyribonuclease I sensitive/resistant regions, brain, rats, alkylation products removal 7297.

N-Methyl-N-Nitrosourethane,

induced damage, pancreas, guinea pigs, DNA repair 3161.

***α*-Methylornithine,**

effects on DNA biosynthesis/RNA biosynthesis,

Chaetopterus /Acetabularia 5570.**Metronidazole,**

interaction-DNA 4284.

Micrococcin,resistant mutant, *Bacillus subtilis*, ribosomal proteins alterations 6712.***Micrococcus luteus*,**

DNA, conformation, c.d. 6198.

DNA, guanine (O⁶-methyl) removal use-N-methyl-N'-nitro-N nitrosoguanidine-treated *Escherichia coli* 7146.

endonuclease, isolation/characterization, role-DNA repair, radiation (γ)-induced lesions 6383.

endonuclease, purification/characterization 1712.

membrane-bound ribosomes, lead exposure, effects on 4731.

polynucleotide nucleotidyltransferase, bonds formation 4518.

polyribonucleotide nucleotidyltransferase, characterization, microheterogeneity 550.

radiation (u.v.) treated, post-replication DNA repair/sister chromatid exchange, chloramphenicol, effects on 5038.

***Micrococcus lysodeikticus*,**

DNA polymerase, template primer activity. DNA, nuclei, liver/cerebellum, mice 535.

***Micrococcus radiodurans*,**

DNA polymerase I-associated exonuclease, characterization 1148.

DNA repair, radiation (γ), effects on 5039.

iodine-125 decay-induced DNA breakage, DNA repair 3818.

Microsomes,

liver, mice, DNA biosynthesis, carcinogens, effects on 5045.

membranes, pancreas, dogs, associated mRNA, translation-wheat germ cell-free system, products analysis 6073.

Microtubules,

formation, inhibition-DNA, brain, pigs 1558.

Vero cells/HeLa cells, adenosine (3'-deoxy), effects on 4038.

***Microtus agrestis*,**

cells, DNA repair/survival following radiation (u.v.) 6292.

transformed/revertant cells, Rous sarcoma virus RNA, characterization 3542.

Mildiomicin,

nucleoside antibiotics, isolation/characterization.

Streptovorticillium rimofaciens 3378.

nucleoside antibiotics, structure 4639.

Mill Hill 2 virus,

genomes RNA, size 6785.

RNA, specific sequence, comparison-avian

myelocytomatosis virus MC29 4777.

Minichromosomes,

DNA, SV40, transcription-RNA polymerase, calf thymus/

Escherichia coli 6825.

SV40, histones acetyl groups, turnover 3947.

Mink cell focus-inducing virus,

RNA, nucleotide sequence, homology-AKR leukaemia virus 5373.

Minute virus of mice,

RNA, electron microscopy 5954.

Mitochondria,

brain, rats, DNA biosynthesis/RNA biosynthesis/protein biosynthesis 2688.

DNA, *Chlamydomonas reinhardtii*, isolation/characterization 1615.DNA, circular, *Saccharomyces cerevisiae*, resolution, electrophoresis 1041.

DNA, heterogeneity, liver, rats 409.

DNA, rats, cloning 4469.

DNA, rats liver, primary structure, comparison-ascites hepatoma 413.

DNA, RNA 4S genes, *Xenopus laevis*, mapping, electron microscopy 401.

hamsters, cells, rRNA 17S, methylated residues, characterization 252.

human cells, DNA biosynthesis, ethidium bromide, effects on 3182.

liver, mice, DNA biosynthesis, inhibition-aflatoxin B1/dimethylnitrosamine 3831.

membrane, liver, rats, complex formation-polynucleotides 1866.

tRNA, review 1307.

Saccharomyces carlsbergensis /Saccharomyces cerevisiae, DNA, nucleotide sequence 3118.*Saccharomyces cerevisiae*, genomes, mapping, review 7.*Saccharomyces cerevisiae*, tRNA (Phe), nucleotide sequence 2935.*Saccharomyces cerevisiae*, tRNA Phe, nucleotide sequence 1876.**Mitochondrial DNA, see DNA.****Mitogens,**

effects on DNA biosynthesis/RNA biosynthesis, Thy-1 antigen-positive lymphoma 5580.

induced DNA biosynthesis, lymphocytes, role-viruses infection/replication 4430.

Mitomen,

treatment, mice, DNA repair, assay 1085.

Mitomycin B,

interaction-DNA 963.

Mitomycin C,

binding-DNA, guanine specificity 4285.

effects on DNA biosynthesis/RNA biosynthesis, bladder tumours, human 1110.

effects on SV40 DNA replication, permissive cells, kidney, hamsters 7120.

induced damage, DNA repair, human lymphocytes, inhibition-caffeine 2121.

induced sister chromatid exchange, frequency, human lymphocytes 2262.

induced sister chromatid exchange, mice/rats, age, effects on 1276.

induction-viruses/DNA, SV40-transformed cells, mice 1131.

injury, human fibroblasts-like cells, effects on DNA

biosynthesis 5560.

interaction-DNA 340.

Mitosis,*Allium cepa* meristem, cytosine arabinoside, effects on 3402.

Chinese hamsters cell culture, RNA biosynthesis/protein biosynthesis inhibition, effects on 295.

chromosomes, condensation/duplication 2864.

nucleoli dispersion, uridine (5-fluorodeoxy), effects on 109.

Modeccin,

effects on protein biosynthesis, ribosomes, liver, rats 5899.

effects on tRNA (aminoacyl) binding-*Artemia salina* ribosomes 2963.

elongation factor 2-induced sensitization-ribosomes, reticulocytes, rabbits 5359.

inhibition-elongation, protein biosynthesis, *Artemia salina* 1922.**Molluscs,**

neurons, RNA biosynthesis, culture medium ionic strength/osmolarity, effects on 286.

Moloney leukaemia virus,

chromosomes integration sites, genomes, BALB/Mo cells, mice, mapping 5232.

DNA, infected fibroblasts, mice, detection-multiple

Moloney leukaemia virus,(continued)

integration sites 6186.
 DNA biosynthesis, tRNA Pro interaction-genomes RNA 7116.
 DNA polymerase, DNA biosynthesis, mechanisms 4375.
 DNA polymerase, RNA-depend, characterization 2207.
 DNA sequence, integration-chromatin, BALB/Mo cells, mice, structure 4954.
 gene expression/gene amplification, organs, mice, age dependence 4190.
 infection-cells, mice, DNA copies, effects on 2740.
 infectivity, containing, DNA, mapping 4953.
 reverse transcription, high molecular weight complementary DNA products 6274.
 ribonuclease T1 oligonucleotides, comparison-HIX virus 1940.
 RNA, homology-human leukaemia cells DNA 7100.
 RNA, nonhomology region-HIX virus, heteroduplexes analysis 857.
 RNA biosynthesis, interferon-treated cells, mice 1981.
 RNA splicing, electron microscopy 858.
Moloney sarcoma virus,
 complementary DNA sequence, transcription-transformed cell lines, mice 2756.
 DNA fragments, induction-transformation, fibroblasts, mice 3210.
 double-stranded DNA biosynthesis, products characterization 7115.
 induction-tumours, nucleases activity, mice 3880.
 strains, RNA nucleotide sequence homology 856.
 transformed 3T3 cells, revertants, loss-specific RNA nucleotide sequence 3209.
Molybdenum,
 effects on RNA replication, *Nicotiana tabacum* 3040.
Monkeypox virus,
 DNA, restriction endonuclease fragments, electrophoresis 1014.
 replication, inhibition-uridine (5'-iodo-2'-deoxy), lung cells, rabbits 1852.
Monophenol monooxygenase,
 mRNA, *Coriolus versicolor* /*Pleurotus ostreatus* /*Pholiota mutabilis*, characterization 1951.
Morris hepatoma,
 α -foetoprotein mRNA, isolation 5938.
 α -foetoprotein mRNA, purification/quantitation during development 6922.
 tryptophan oxygenase/tyrosine aminotransferase mRNA activity 3600.
Mosquitoes,
 DNA polymerase, purification/characterization 534.
Mucor racemosus,
 RNA biosynthesis during morphogenesis 3027.
Mudjinbarry virus,
 recombination-Wallall virus, RNA, characterization 1946.
Multiple sclerosis,
 human, detection-DNA/RNA antibodies 2229.
Multiplication-stimulating activity,
 regulation-DNA biosynthesis, embryo fibroblasts, chickens, role-polyamines 2699.
Murine leukaemia virus,
 cytoplasmic virus-like particles, properties/expression, thymus, normal/lymphomatous AKR mice 4191.
 endogenous, AKR cells, induction-hydroxyurea, involvement-DNA repair 5046.
 exogenous/endogenous DNA, transfection 3865.
 hosts tRNA packaging 2456.
 linear/closed circular DNA, restriction endonuclease

cleavage mapping 3741.
 related mRNA sequence, complexity/abundance, cell lines, embryos, mice 3514.
 replication, dexamethasone, effects on 6830.
Murine sarcoma virus,
 transformed cells, mRNA, characterization 5960.
Mus cervicolor,
 endogenous oncornavirus, RNA nucleotide sequence homology-A-type particles, *Mus musculus* 5374.
Mus musculus,
 A-type particles, RNA nucleotide sequence homology-endogenous oncornavirus, *Mus cervicolor* 5374.
Mutagenesis,
 association-DNA repair, mammals, review 2887.
 mammals cells, review 2285.
 relationship-carcinogenesis 2743.
 relationship-carcinogenesis, review 2302.
 role-DNA repair pathways, bacteria 2899.
 role-pH, review 5716.
Mutagens,
 see also **specific compounds**
 chemicals, DNA damage, granuloma, rats 6987.
 effects on poly (U) binding-cells 6654.
Mutants,
 cdc mutant, *Saccharomyces cerevisiae*, effects on radiation (u.v.)-induced genes mutagenesis 7150.
 deletion mutant, phage λ , attachment sites, DNA nucleotide sequence 378.
 deletion mutant, SV40, DNA nucleotide sequence analysis 5504, 5506.
 dna mutant, *Escherichia coli*, phage ϕ C DNA biosynthesis 1977.
 dna mutant, *Escherichia coli*, phage ϕ X174 DNA biosynthesis 6268.
 dnaT mutant, *Escherichia coli*, DNA replication 3176.
Escherichia coli, ribosomal protein S1, isolation/characterization 5345.
 petite mutant, *Saccharomyces cerevisiae*, mitochondria DNA nucleotide sequence, adenosinetriphosphatase genes localization 6219.
 proteins, RNA polymerase/rRNA/ribosomal temperature-sensitive mutant 3612.
 rho mutant, *Escherichia coli*, transcription termination defective, RNA polymerase interaction, effects on 1177.
 rne mutant, *Escherichia coli*, RNA 9S, structure analysis 1483.
 temperature-sensitive, phage ϕ 6, RNA biosynthesis/replication, characterization 907.
 temperature-sensitive mutant, adenovirus (human) 5, RNA accumulation 1508.
 temperature-sensitive mutant, adenovirus (human) 5, DNA, infected KB cells, characterization 6175.
 temperature-sensitive mutant, *Escherichia coli*, tRNA (glutamyl) synthetase/tRNA, biosynthesis regulation 6688.
 temperature-sensitive mutant, herpes simplex virus 1, mapping, markers rescue 1008.
 temperature-sensitive mutant, influenza A virus, RNA polymerase, phenotypes, comparison-wild type 7343.
 temperature-sensitive mutant, tRNA (leucyl) synthetase, CHO cells, revertants, isolation/characterization 4693.
 temperature-sensitive mutant, RNA polymerase, *Escherichia coli*, lactose operon expression 7272.
 temperature-sensitive mutant, RNA polymerase, *Salmonella typhimurium*, isolation/detection 7340.
 transversion mutant, phage ϕ X174 DNA, production-oligodeoxyribonucleotides 6090.

Mutations,

induced-diethylsulphate, DNA biosynthesis during germination, *Oryza sativa*, seeds 3843.
temperature-sensitive, mapping, adenovirus (human) 5 DNA 2622.

Mycobacterium,

DNA base composition/genomes size 3115.
DNA homology 1030.

Mycobacterium avium-intracellulare,

plasmids DNA, isolation 6947.

Mycobacterium lacticum,

DNA base composition 1609.

Mycobacterium smegmatis,

phage ATCC 11759, DNA, physicochemical properties 4313.

ribosomal subunits, binding-viomycin, antibiotic resistance 5896.

ribosomes, antibiotic resistance, viomycin, localization-rRNA 2961.

tRNA (valyl) synthetase, purification/properties 6697.

rRNA 5S, nucleotide sequence 4179.

Mycococcus,

RNA biosynthesis/protein biosynthesis, relationship-cell cycle 3026.

Mycoplasma,

bases/nucleosides assimilation 1816.

Mycoplasma buccale,

radiation (u.v.)-induced damage, DNA repair 7147.

Mycoplasma pneumoniae,

trachea, pathogenesis, role-adenine 2907.

Mycoplasma virus MVL2,

DNA, characterization 2627, 2628.

Myeloma,

cells, mice, cytoplasmic mRNA transcription units, characterization 884.

cells, mice, low molecular weight RNA biosynthesis 3599.

cells, mice, ribosomal proteins, phosphorylation 3489.

cells, mice, RNA biosynthesis inhibition-radiation (u.v.) treated vesicular stomatitis virus 6045.

cells, mice, vesicular stomatitis virus-infected, RNA polymerase activity 6411.

cells, RNA biosynthesis, isoleucine starvation, effects on 1987.

mice, DNA-binding characterization, isolation/characterization 1772.

mice, immunoglobulins, heavy chains, mRNA, isolation/characterization 4799.

mice, immunoglobulins light chains mRNA, purification, methodology 2438.

mice, mRNA, reverse transcription/translation-cell-free system 3648.

Myoblasts,

differentiation, skeletal muscle, quails, proteins mRNA accumulation 6029.

Myocytes,

rats, DNA biosynthesis during differentiation 4224.

Myosin,

heavy chains, mRNA, myoblasts/myotubes, chickens, distribution during differentiation 5928.

heavy chains, mRNA, translation-cell-free system 5438.

heavy chains mRNA, myotubes, rats, isolation/purification 4155.

light chains, mRNA, heart, chickens, isolation/purification 2978.

mRNA, chromatography (affinity) fractionation-ribosomal subunit 40S initiation factors, muscles, chickens embryos 4746.

mRNA translation, inhibition-translation control RNA, embryos muscles, chickens 2442.

Myotubes,

embryos, chickens, DNA biosynthesis, induction-Rous sarcoma virus src gene activation 1646.

Myxovirus,

RNA/gene expression, review 1327.

N.m.r.,

adenine (lin-benzo) nucleotide interactions 6618.

adenine cyclonucleosides/adenine arabinoside, structure 1843.

adenine nucleosides 6589.

adenosine (8,2'-S-cyclo) dinucleoside monophosphate 115.

adenosine -3',5'- cyclophosphate conformation 3415.

adenosine (8-methyl)-containing dinucleoside

monophosphates, conformation 3426.

adenosine/ATP/uridine/UTP self-stacking 93.

adenylyl-(3',5')-uridine dimethyl derivatives/nucleotides, conformation 3427.

ADP/dADP interaction-copper/manganese/lanthanide 5301.

AMP, interaction-spermidine 4053.

ATP interaction-manganese 6621.

bromoacetate modified ribonuclease I 3224.

calf thymus histone H1 secondary structure 4540.

chromatin core particles, binding-histones 1266.

CMP bisulphite adducts, pK 3417.

conformational analysis-calf thymus/salmon spermatozoa DNA helix-coil transitions 7093.

conformational analysis-thymidine derivatives

diastereoisomers 6593.

cytosine derivatives, photohydrates 1341.

daunomycin-polyd(A-T) complex, structure 2929.

detection-pH effects on purines 2304.

deuterium, caffeine-DNA complex 2039.

DNA + caffeine, solubilization-benzo(a)pyrene (6-oxy) 2052.

DNA, interaction-quinacrine derivatives 969.

DNA backbone conformational heterogeneity 2064.

DNA conformation, nucleosomes cores particles 5217.

DNA water sorption 4918.

double-stranded tetranucleotide, tRNA fragments 1382.

Escherichia coli lactose repressor, mobility 4569.

Escherichia coli lactose repressor structure 4567.

Escherichia coli ribosomal protein S1 5871.

Escherichia coli ribosomes 197.

gene 5 DNA-binding protein complex-DNA 2230.

guanine/cytosine complex-zinc 2903.

histone H5, erythrocytes, chickens 2237.

hydrogen cyanide/formamide-derived adenine 3363.

labelled nucleotides 719.

manganese-ADP complex 119.

manganese-ATP complex 1856.

manganese interaction tRNA-derived nucleosides analogues 4626.

metals binding-cytidine 2327.

nucleosomes/DNA solution structure/dynamics 4294.

nucleotide (ribo)/nucleotide (deoxyribo) 110.

nucleotides backbone conformations 6614.

nucleotides interaction-amino acids derivatives 1855.

octanucleotide helix-coil transitions 6637.

oligo d(G-C) conformation, sodium chloride solutions 5812.

oligodeoxyribonucleotides conformation transitions 4664.

oligonucleotides, interaction-phage M13 gene 5 protein 2364.

N.m.r.,(continued)

- oligonucleotides, synthesis 137.
 oligonucleotides complex-ethidium, DNA mutagenesis models 2930.
 poly d(A-T) duplex, dipyrandium insertion 2366.
 poly (U) secondary structure 4669.
 purine nucleotides conformation, phosphates groups substitution, effects on 3414.
 purines/pyrimidines interaction-acetamide 3369.
 pyrimidine (2-acetoacetamido) configuration 1806.
 pyrimidines 30, 34.
 pyrimidines, transformation reactions-s-triazines, mechanisms 1808.
 ribonuclease T1 conformation 3227.
 RNA helix stability 2447.
 tRNA structure/base-pairing 1391.
 self-complementary tetranucleotides 1383.
 6-substituted purines, regiospecific substituent effects 1803.
 5-substituted pyrimidines derivatives 5733.
 thymidine (ribo) role-tRNA temperature stability 4680.
 TMP synthetase-UMP (5-fluorodeoxy) complex 1238.
Torula RNA, interaction-alkylating agents 2981.
 trinucleoside diphosphates configuration, aqueous solution 738.
 uracil hydrogen bonds-peptides, solution 3372.
 uracil/uracil (6-methyl)/uridine, complex sites, binding platinum II 681.
 uridine (5-halo) interaction-sodium bisulphite 4031.
 uridine (5-methylaminomethyl-2-thio)/uridine (5-methoxycarbonylmethyl-2-thio)/cytidine(2-thio)/UMP(>5-methylaminomethyl-2-thio)/CMP(2-thio, conformation 5760.
 yeasts tRNA Phe 1877.
 yeasts tRNA Phe, tertiary structure 6671.
 yeasts tRNA Phe backbone structure 6670.
 yeasts tRNA Phe protons exchange 6667.
 yeasts tRNA Phe structure, aminoacylation/Y base removal/codons-anticodons interaction, effects on 6666.
NADPH-cytochrome reductase,
 biosynthesis, endoplasmic reticulum membranes-bound ribosomes, liver, rats 3504.
Naegleria fowleri,
 DNA/RNA content during growth 838.
Naegleria gruberi,
 DNA biosynthesis, differentiation, effects on 2097.
 mRNA, poly (A) sequence, characterization 5389.
Nafoxidine,
 effects on DNA biosynthesis stimulation-oestrogen, pituitary, rats 1651.
Nalidixic acid,
 effects of phage Mu integration, mutagenesis, *Escherichia coli* 2764.
 effects on DNA repair, radiation (ionizing)-induced single-stranded breakage, *Escherichia coli* 3153.
Nasopharynx tumours,
 aetiology, role-Epstein-Barr virus infection, review 2277.
Necturus maculosus,
 DNA repetitive sequences 1045.
Neisseria gonorrhoeae,
 chromosomes, plasmids, transfer-conjugation, use-mapping 2868.
 genes exchange, mechanisms 7274.
 induction-DNA biosynthesis, lymphocytes, Reiter's disease 3841.
 plasmids DNA, detection, methodology 2016.
 sequence-specific restriction endonuclease, identification 3237.
 transformation, DNA uptake specificity 4460.
 transformation-derived plasmids, characterization 6252.
Neocarcinostatin,
 cleavage-DNA, activation/inactivation 2044.
 cleavage-DNA, light/oxygen, effects on 341.
 damage-DNA, mechanisms 3079.
 DNA cleavage, nucleotides specificity 343.
 induced DNA damage/DNA repair, HeLa cells 7174.
 induction-DNA repair, HeLa cells 2120.
 inhibition-DNA biosynthesis, SV40 3803.
 sequence-specific cleavage-DNA 342.
Neomycin,
 inhibition-tRNA (aminoacyl) translocation, *Escherichia coli* ribosomes 1913.
 resistance mutation, *Saccharomyces cerevisiae* mitochondria ribosomes, characterization 6746.
Neomycin B,
 interaction-*Escherichia coli* ribosomal subunits 6743.
Neothramycin,
 effects on DNA biosynthesis/RNA biosynthesis, *Escherichia coli* /HeLa cells/lymphoblastoma cells 5035.
Nepoviruses,
 RNA, molecular weight determination 872.
Nerve growth factors,
 effects on protein biosynthesis, pheochromocytoma cells, rats, comparison-AMP (cyclic) analogues 6710.
 induction-tyrosine3-monooxygenase, rats, role-RNA biosynthesis 4219.
 stimulation-pheochromocytoma cells, rats, role-RNA biosynthesis 2522.
Netropsin,
 binding-DNA, radiation (u.v.), effects on 6116.
 binding-double-stranded DNA, nucleotide sequence, effects on 6122.
 complex-DNA, c.d. 2571.
 complex-DNA, spectroscopy (Raman) 2570.
 DNA-binding protein, binding-poly d(A.T) 5233.
 effects on DNA separation 951.
Neuroblastoma,
 cells, poly (A) containing RNA, sequence complexity/frequency distribution 4800.
 human, DNA polymerase β /DNA polymerase α , inhibition-concanavalin A/ricin 5636.
Neuroblastoma cells,
 polyribosomes mRNA, poly (A) content 6809.
Neuroglial cells,
 lysine-rich/arginine-rich histones content, microscopy 1253.
Neurons,
 cerebral cortex, rabbits, occurrence-repetitive DNA 1548.
 cytoplasm, rats, RNA, characterization 2473.
 lysine-rich/arginine-rich histones content, microscopy 1253.
Neurophysin,
 containing, products, identification, mRNA, hypothalamus, cattle, translation-wheat germ cell-free system 6924.
Neurospora crassa,
 conidia, DNA biosynthesis 3797.
 dehydroquinase genes carrying plasmids, cloning-*Escherichia coli*, transcription/translation 5603.
 DNA-mediated genes transformation 7275.
 DNA polymerase, purification/characterization 1197.
 genomes, nucleotide sequence complexity/organization 7073.
 glutamine synthetase mRNA levels, regulation-nitrogen sources 3047.
 growth inhibition-purine (6-methyl) 3375.
 mitochondria, DNA, inheritance 5604.
 mitochondria, tRNA, base composition 755.
 mitochondria, tRNA Tyr, nucleotide sequence 3449.

***Neurospora crassa*, (continued)**

mitochondria DNA, tRNA-rRNA gene regions, restriction endonuclease mapping 4981.
 mutants, DNA transcription 2166.
 mycelia, deoxyribonuclease, characterization 3230.
 nuclear mutant, defective mitochondria rRNA processing 6028.
 RNA biosynthesis/protein biosynthesis, caffeine, effects on 6027.
 rRNA gene, cloning/characterization 4980.
 rRNA gene clusters organization, restriction endonuclease fragments analysis/cloning-phage λ 7072.
 rRNA 5.8S rRNA gene, nucleotide sequence 6216.
 transformation-DNA 2165.

Neutral red,

DNA damage, pancreas, rats 4902.
 photoinactivation-DNA, KB cells 5459.

Neutron scattering,

nuclei 4558.

Newcastle disease virus,

defective-interfering particles, isolation/characterization 4755.
 mRNA (guanine-7)-methyltransferase, inhibition-sinefungin 2218.
 mRNA, transcription/translation, in vitro 933.

***Nicotiana*,**

callus, cytokinins, incorporation-labelled adenine 1815.
 callus, RNA polymerase activity, auxins/cytokinins, effects on 4486.

callus cells, DNA, purification, methodology 6952.

DNA/RNA, gametes fusion, effects on 620.

leaves, protoplasts, isolation-polyribosomes 4724.

mesophyll protoplasts, DNA content, N-methyl-N-nitrosourea, effects on 2123.

normal/alfalfa mosaic virus-infected, RNA polymerase (RNA-dependent) properties 3903.

protoplasts, depolymerization-plasmid pBR313, protection-poly-L-ornithine 7292.

protoplasts, uptake-phage λ double-stranded DNA 5581.

ribosomes, sonchus yellow net virus-infected, RNA, sequence complementarity-sonchus yellow net virus genomes 6787.

***Nicotiana glutinosa*,**

tobacco ringspot virus infectivity, kinetin, effects on 5276.

***Nicotiana rustica*,**

chloroplasts, RNA, characterization/biological properties 1961.

***Nicotiana tabacum*,**

alfalfa mosaic virus-infected, RNA translation 2532.

callus, rRNA, distribution-synthetic cytokinins 105.

cells, binding-cytokinin 49.

chloroplasts, male-sterile lines, DNA, restriction endonuclease analysis 3792.

chloroplasts, tRNA gene, cloning 5609.

leaves, double-stranded RNA, characterization 6812.

protoplasts, infection-tobacco mosaic virus/bromovirus RNA, methodology 2527.

protoplasts, RNA biosynthesis/protein biosynthesis, osmotic stress, effects on 298.

resistant cell lines, DNA, uridine (5-bromodeoxy) incorporation 2340.

RNA, adenine (N⁶-benzyl) incorporation, inhibition-cytokinins analogues 4621.

RNA, translation-wheat germ cell-free system, chloroplasts ferredoxin biosynthesis 942.

RNA polymerase (RNA-dependent), purification/

characterization 3259, 3905.

RNA replication, molybdenum/sulphur, effects on 3040.

tissues, nuclei, transcription 5402.

cis-zeatin-D-riboside, isolation/identification 695.

p-Nitroacetophenone,

reaction-GMP, role-radiosensitization 5303.

5-Nitrofuran,

inhibition-*Trypanosoma cruzi* DNA biosynthesis, mechanisms 4830.

Nitrofurans,

induction-damage/DNA repair, *Escherichia coli* 7139.

Nitrofurantoin,

DNA damage, human fibroblasts 354.

inhibition-radiation (X) protection-*Escherichia coli*, radiation (u.v.) 1079.

Nitrofurazone,

induced DNA damage, mice 964.

Nitrogen mustard,

cross-linking-*Bacillus subtilis* DNA, transformation, effects on 3682.

induced DNA-proteins cross-linking, fibroblasts, Chinese hamsters, DNA repair, phenylmethylsulphonyl fluoride, effects on 3821.

Nitroheterocycles,

inhibition-DNA biosynthesis, cells 7175.

inhibition-DNA biosynthesis, L cells, mechanisms 7176.

Nitronium tetrafluoroborate,

nitration-cytosine/cytosine (1-methyl)/CMP (2'-deoxy) 2326.

2-Nitrophenyl sulphenyl chloride,

modification, effects on prolactin stimulation-RNA biosynthesis, mammary gland, mice 2505.

4-Nitroquinoline 1-Oxide,

damage/DNA repair, L cells/KB cells 3169.

inhibition-DNA biosynthesis, mechanisms 3146.

induced damage, human fibroblasts, DNA repair 7169.

Nitrosamines,

+ radiation (u.v.), effects on DNA melting temperature, *Escherichia coli* /chickens erythrocytes 6992.

detection-DNA repair assays, hepatocytes culture 6306.

N-Nitroso-N-Butylurea,

induced, leukaemia (myelogenous), spleen, rats, DNA polymerase (RNA-dependent) activity analysis 3266.

Nitrosomorpholine,

induced hepatoma, chromosomes, proteins, rats 2841.

4-Nitrosoquinoline 1-Oxide,

free radical formation, comparison-4-hydroxyaminoquinoline 1-oxide free radical formation/binding-polyguanylic acid 735.

Nitrosoureas,

guanosine/xanthosine derivatives, synthesis/antitumour activity 5763.

induction-DNA damage, Chinese hamsters cells 3068.

induction-DNA single-stranded breakage, mechanisms 6996.

Nitrous acid,

induced damage, *Escherichia coli*, DNA repair, occurrence-specific enzymes 5032.

Saccharomyces cerevisiae, induced DNA repair, mechanisms 1657.

***Nocardia rubra*,**

cell walls skeleton, effects on DNA biosynthesis, mammary gland, mice 2724.

Nonhistone proteins,

binding-DNA, chromatin, induction-N-acetoxy-2-acetylaminofluorene 4552.

binding-DNA, liver, rats, hybridization-mRNA 7463.

binding-DNA, sequence specificity 4541.

binding-supercoiled DNA, carcinoma cells, mice 2845.
 biosynthesis, following radiation (X), thymus, rats,

Nonhistone proteins,(continued)

- relationship-DNA biosynthesis 3163.
 biosynthesis, liver, rats, stimulation following cycloheximide treatment 6499.
Bombyx mori larvae, characterization 1250.
 brain, rats, characterization 3307.
 calf thymus, conformational analysis/interaction-DNA 6473.
Choriotoneura fumiferana chromosomes, characterization 3297.
 chromatin, hepatoma cells, purification/affinity-single-stranded DNA 6478.
 chromatin, liver, chickens, binding-DNA 7421.
 chromatin, lymphocytes, antibody response, mice 3954.
 chromatin, *Paracentrotus lividus*, electrophoresis 6477.
 chromatin, review 1317.
 chromosomes, fractionation/characterization, use-hydroxyapatite 1279.
 complex, DNA conformation, spectroscopy (i.r.) 4917.
 complex-DNA, isolation, chromatin 3963.
 complex-DNA, mice, characterization, centrifugation 3957.
 complex-histones, calf thymus, characterization 1766.
 cross-linking-DNA, L1210 cells, bis(2-chloroethyl)methylamine 961.
 distribution-*Drosophila* 1256.
 DNA-binding, characterization, erythroid cells, chickens 609.
 DNA-binding, myeloma, mice, isolation/characterization 1772.
 DNA binding protein, human psoriasis, characterization 3336.
 effects on *Paracentrotus lividus* transcription, in vitro 1257.
 erythroblasts chromatin, pigeons, ribonucleoproteins, characterization 607.
 erythrocytes, chickens, sensitivity-acids 1261.
 high mobility group, association-nucleosomes 3308.
 high mobility group, biosynthesis, regenerating liver, rats 7429.
 high mobility group, calf thymus, role-DNA unwinding 7422.
 high mobility group, containing, nucleosomes, nuclei, myeloma, mice, fractionation 7426.
 high mobility group, isolation-oviduct, chickens 2849.
 high mobility group, location-chromatin, testis, *Salmo* 5220.
 high mobility group, nuclei, calf thymus/ducks erythrocytes, acetylation 1259.
 high mobility group, occurrence-nucleosomes, *Salmo* testis 5216.
 high mobility group, purification/characterization 606.
 high mobility group 2, characterization 1262.
 high molecular weight, affinity-single stranded DNA 7423.
 human, role-carcinogenesis, review 669.
 identification-DNA-binding protein, psoriasis 1294.
 identity-ubiquitin, *Salmo* testis 3306.
 interaction-DNA, models 7424.
 interaction-histones, chromatography (affinity) 605.
 interaction sites-nucleosomes, determination, use-spectroscopy (Raman) 6482.
 isolation/characterization, book 7484.
 liver, mice, hydrophobic chromatography 7428.
 liver, mice, interaction-DNA, specificity 2850.
 liver, rats, actinomycin D/ α -amanitin/galactosamine/cycloheximide, effects on 3956.
 liver, rats, binding-DNA, reassociation kinetics 5001.
 liver, rats, transfer-nuclei, mice cells 1769.
 low molecular weight, isolation/characterization, mice nuclei 1258.
 metaphase chromosomes, structure, hamsters 1770.
 nucleosomes, characterization 3955.
 nucleosomes-associated/deoxyribonuclease digestion released, comparison 4553.
 occurrence-nucleosomes 1283.
 phosphorylated, *Physarum polycephalum*, purification/role-rRNA gene transcription 7427.
 phosphorylation, cerebrum/cerebellum/liver, rabbits 3301.
 phosphorylation, lymphosarcoma, mice, hydrocortisone, effects on 7425.
 phosphorylation, nuclei, liver, rats, histones/polyamines, effects on 1260.
 phosphorylation, *Physarum polycephalum*, stimulation-polyamines 2846.
Pisum sativum, inhibition-*Escherichia coli* RNA biosynthesis 2514.
 plants, isolation/characterization 1771.
 role-chromatin deoxyribonuclease I-sensitive structure 4550.
 salivary gland, rats, phosphorylation, stimulation-isoproterenol 2848.
 tissues-specific distribution, rats, Rhodamine sarcoma growth, effects on 2847.
 transcription inhibition factors, characterization, *Pisum* cotyledons 608.
Norharman, effects on radiation (u.v.)/spontaneous mutagenesis, Chinese hamsters cells 3164.
Nostoc, tRNA (isoleucyl), analysis chromatography (reversed-phase) 1397.
Notophthalmus viridescens, blastemata, DNA biosynthesis/protein biosynthesis, stimulation-insulin, association-nerve function 427.
 lampbrush chromosomes, RNA transcription 3573.
Novikoff hepatoma, cells, cytoplasm, location-partial methylated mRNA 3524.
 cells, DNA biosynthesis inhibition-soluble factors 6317.
 cells, DNA biosynthesis stimulation - dimethyl sulphoxide 466.
 cells, dTTP biosynthesis, regulation, uridine (5-fluorodeoxy)/uridine (6-deaza), effects on 717.
 DNA, restriction endonuclease EcoRI fragments, characterization 5532.
 nucleoli, localization-DNA restriction endonuclease HindIII fragments 6256.
 nucleoli, rRNA precursor biosynthesis, Sarkosyl, effects on 2521.
 rats, DNA, restriction endonuclease analysis 6254.
 tRNA, methylation-dimethylsulphate, specificity 5824.
Novobiocin, effects on DNA biosynthesis, CHO cells, relationship-superhelical structure 7211.
 effects on DNA gyrase energy coupling, *Escherichia coli* 1223.
 interaction-*Escherichia coli* DNA gyrase 3925.
Nuclear polyhedrosis bundle virus, *Orgyia pseudotsugata*, DNA, molecular weight determination 6189.
Nuclear polyhedrosis single-rod virus, *Orgyia pseudotsugata*, DNA, molecular weight determination 6189.
Nuclear polyhedrosis virus, antigens, *Autographa californica*, stimulation-DNA biosynthesis, human lymphocytes 3840.
Autographa californica, DNA, characterization 7055.
Autographa californica, DNA, mapping 3743.
Autographa californica, DNA, restriction endonuclease analysis 1598.
Autographa californica /*Trichoplusia ni* /*Galleria mellonella*, DNA, restriction endonuclease mapping 6187.

Nuclear polyhedrosis virus.(continued)

DNA, *Adoxophyes orana* /*Barathra brassicae* , characterization/comparison 3742.
Galleria mellonella , DNA size 4956.
Heliothis , DNA, characterization 2075.
Heliothis zea , DNA, characterization 4332.
Lymantria dispar , DNA, characterization 6188.
Nuclear protein,
 interaction-DNA, spermatozoa, mechanisms 645.
Nuclease,
 see also **Endonuclease, Exonuclease, Deoxyribonuclease, Ribonuclease**
 activity, S-adenosyl L-methionine-dependent, BHK-21 cells, protection-DNA methylation 7301.
 activity, Molony sarcoma virus induction-tumours, mice 3880.
 activity, *Ustilago maydis* , association-viruses-induced killer factor 7298.
Bombyx mori , use-DNA nucleotides mapping 3124.
Brevibacterium ammoniagenes , characterization, effects on chromatin 5120.
 content, *Solanum tuberosum* tubers, development 2171.
 digestion, use-ribonucleoprotein (heterogeneous nuclear) structure determination 5656.
 digestion chromatin, histone H1 depletion, effects on 5211.
 digestion-chromatin, nuclei, liver, rats, cations, effects on 6486.
 digestion-chromatin, thymus nuclear lysate, rabbits 1267.
 digestion chromatin DNA, intercalation-ethidium bromide, effects on 3879.
 effects on mRNA, rabbits reticulocytes cell-free system 3647.
 endogenous, chromatin digestion 3317.
 nuclease, purification/characterization, review 4604.
 nuclease , purification/characterization, review 4604.
 poly (I-C) degradation, human plasma 4071.
 role-oligo (A) inhibition-protein biosynthesis, mammalian cells 6647.
Serratia marcescens , immobilization 2772.
 sheep kidney, digestion-phage ϕ X174 single-stranded DNA 1147.
 sheep kidney, purification/characterization 1146.
 single-stranded DNA-specific, cleavage-chromatin, erythrocytes, chickens 7299.
 single-stranded regions-specific, *Aspergillus oryzae* , purification/properties 6378.
 staphylococcal, cleavage sites, nucleosomes 2185.
Staphylococcus aureus , interaction-nucleotides, review 4605.
Staphylococcus aureus , proteins folding models, review 5260.
Staphylococcus aureus , reaction mechanisms 7300.
Staphylococcus aureus , X-ray crystallography, review 5259.
Nuclease O,
Aspergillus oryzae , use-DNA nucleotides mapping 3124.
Nuclease S1,
Aspergillus oryzae , cleavage sites, avian sarcoma-leucosis virus DNA intermediates 2768.
 digestion, effects on mercurated DNA stability 2063.
 digestion-RNA polymerase (RNA-dependent) cistrons, phage MS2, fragments characterization 4772.
 nicking-DNA, mitochondria 4471.
 phage PM2 DNA cleavage 489.
 use-probes, phage T4 tRNA precursors conformation 2377.
 use-probes, *Saccharomyces cerevisiae* rRNA 5S structure 4789.
 use-RNA mapping 170.
Nuclei,
 erythrocytes, chickens, DNA biosynthesis reactivation, mice L929 cells cytoplasts, association-cell cycle 2732.

in vitro, RNA biosynthesis, assays, use-mercury-containing UTP 282.
 liver, rats, DNA/histones, aralkylation-benzo(a)pyrene 2578.
 liver, rats, ribonuclease H, purification/characterization 1710.
 liver, rats, RNA biosynthesis capacity, ammonium sulphate, effects on 1997.
 low molecular weight RNA localization, erythrocytes/reticulocytes/bone marrow/liver cells 224.
 neutron scattering 4558. ~
Scilla sibirica /*Secale cereale* /mice, localization-nuclei fold-back sequence 1280.
Nucleocapsids,
 Semliki Forest virus, assembly, embryo fibroblasts, chickens 1756.
 Sendai virus, metabolism/assembly 1798.
 Sendai virus, ribonucleoproteins helix, topography 6466.
Nucleohisidine (deoxyribo),
 yeasts, isolation 1255.
Nucleoids,
Bacillus subtilis , growth/sporulation, characterization 1792.
Escherichia coli , conformation 2265.
Escherichia coli chromosomal subunits, structure, autoradiography 6507.
Rhizobium , tertiary structure 3328.
 structure, *Escherichia coli* chromosomes, radiation (ionizing), effects on 6202.
Nucleoli,
 content, *Xenopus laevis* kidney cells, relationship-rRNA biosynthesis rates 268.
 liver, rats, RNA biosynthesis, effects on, oestrogen 1985.
 liver regeneration, rats, RNA polymerase activity 523.
 Novikoff hepatoma, localization-DNA restriction endonuclease HindIII fragments 6256.
 Novikoff hepatoma, rRNA precursor biosynthesis, Sarkosyl, effects on 2521.
Nucleolus organizer region,
 localization-*Plethodon* /*Aneides* 6517.
 rats x human somatic cells hybrids, rRNA gene activity 6511.
Nucleoproteins,
 see also **Deoxyribonucleoproteins, Ribonucleoproteins**
 antigens, influenza virus strains, cross-reactivity 4534.
 complex, *Artemia salina* , detection-electron microscopy 6467.
 complex, assembly, SV40, electron microscopy/biochemical analysis 7411.
 complex, multiple forms, SV40, detection/characterization 2233.
 complex, structure/function, review 4.
 complex, SV40, association-antigen T 3291.
 complex, SV40, identification/characterization 7412.
 complex, SV40 replicative form-associated, histones, characterization 2241.
 extraction, effects on SV40 virions stability 5658.
 fragments, *Escherichia coli* ribosomal subunit 30S, isolation/characterization 4714.
 localization, liver nuclei, mice 585.
 occurrence-RNA, human lymphocytes/frogs auricle, cell culture 589.
 organization, chromatin, relationship-DNA uracil (bromodeoxy) distribution, embryo cells, rats 3958.
 structure, radiation (u.v.), effects on 7410.
 SV40, histones structure 4535.
 turnip yellow mosaic virus, isolation/alkalinity, effects on 7414.
Nucleoside (6-Chloro),
 interaction-methylene compounds 59.

- Nucleoside (2',5'-O-Cycloimidazole),**
synthesis/c.d. 4637.
- Nucleoside (deoxyribo),**
separation-cytosine/thymine/adenine/guanine, use-chromatography (high-performance liquid) 5740.
- Nucleoside (2'-Deoxyribo),**
halogens derivatives, synthesis, methodology 5274.
- Nucleoside (2',5'-Di-O-Acyl),**
separation, chromatography (column) 54.
- Nucleoside (3',5'-Di-O-Acyl),**
separation, chromatography (column) 54.
- Nucleoside (3',5'-Dichloro-2',3',5'-Trideoxy),**
dehydrohalogenation 1831.
- Nucleoside (5'-Halogeno-5'-Deoxy),**
synthesis 71.
- Nucleoside (3'-O-Methyl)5'-Triphosphate,**
termination-RNA biosynthesis, RNA/DNA nucleotide sequence methodology 978.
- Nucleoside (thio),**
modification-dimethyl selenoxide 682.
- Nucleoside antibiotics,**
mildiomycin, isolation/characterization, *Streptovorticillium rimofaciens* 3378.
mildiomycin, structure 4639.
review 4602.
synthesis 1842.
- C-Nucleoside,**
analogues, synthesis, methodology 5751.
cytosine, (5-(β -D-ribofuranosyl)iso) effects on 5770.
showdomycin, halogen derivatives, synthesis 2913.
showdomycin, synthesis, methodology 5750.
substituted derivatives, synthesis 4633.
synthesis 1358.
synthesis, antiviral activity, herpes simplex virus/mengovirus 6610.
thiazole derivatives, synthesis/antiviral agents 1353.
- Nucleoside kinase,**
interaction-purine nucleosides analogues 1351.
- Nucleoside monophosphate,**
mass spectroscopy 4654.
- Nucleoside phosphorylase,**
deficiency, human, association-immunodeficiency, review 6.
- Nucleoside phosphotransferase,**
chickens embryos, purification/characterization 2210.
- Hordeum* seedlings,** thiophosphoryl groups transfer, stereochemistry 5646.
- Lupinus* seedlings** cotyledons, purification/characterization 7382.
- Nucleoside Q,**
aglycone analogues, synthesis 708.
biosynthesis, *Drosophila melanogaster*, role-guanine-insertion enzyme 2815.
containing, tRNA, expression, tissue culture, relationship-cells density/type 1403.
containing, tRNA, production-tissue culture, role-factor Q 2934.
precursors, bases, insertion-tRNA, *Escherichia coli* guanine-insertion enzyme 5171.
precursors, guanosine (7-(cyano)-7-deaza), occurrence, tRNA, *Escherichia coli* mutants 1348.
synthesis 3386.
synthesis, pyrimidine (pyrrolo[2,3-d]) formation 4033.
- Nucleoside triphosphatase,**
avian myeloblastosis virus, characterization 1218.
cartilage, cattle, isolation/characterization 7389.
role-transcription errors correction 4519.
- Nucleoside triphosphates,**
inhibition-RNA biosynthesis, nucleoli 4828.
interaction-poly (I) 2932.
labelled, enzymatic synthesis/purification 2352.
phosphorus-32-labelled, synthesis, methodology 3413.
pools, lymphoma/myeloma cells, mice, thymidine, effects on 4434.
synthesis 112.
- Nucleoside X,**
Escherichia coli tRNA Phe, derivatives, synthesis 3374.
- Nucleoside Y,**
bases, modified, isolation-tRNA Phe, liver, rats 3453.
synthesis 2325.
- Nucleosidediphosphatase,**
liver, rats, activation-pyridoxal 5'-phosphate 556.
liver cytosol, rats, purification-chromatography (affinity) 557.
- Nucleosidediphosphate kinase,**
Escherichia coli, purification/characterization 2209.
- Nucleosides,**
see also **specific nucleosides**
alkylation-alkyl halides 4020.
alkylation-tetrabutylammonium fluoride 1339.
aminoimidazole derivatives, synthesis 1822.
analogues, conformation, molecular orbital studies 99.
analogues, tRNA-derived, interaction-manganese, n.m.r. 4626.
analogues, synthesis, use-uracil (6-hydrazino-1,3-dimethyl) 83.
antibiotics, strature, mass spectroscopy 1844.
antibodies, properties, use-nucleotides conformation determination 4524.
antileukaemia agents, evaluation-structure requirements 6611.
assimilation, *Mycoplasma* /*Acholeplasma* 1816.
Beggiatoa /*Candida albicans* /*Sphaerotilus natans* growth inhibition 3396.
chromatography (high-performance liquid), retention time prediction 4028.
combination-steroids, preparation/antitumour activity 1849.
complex formation-cadmium chloride/mercuric chloride 81.
conformation, c.d., borate, effects on 3393.
content, *Bombyx mori* larvae, artificial diet 694.
derivatives, antiviral activity, review 2881.
fractionation, chromatography (thin-layer) 2911.
fractionation, use-boron polymers 4056.
5'-O-glycosyl derivatives, synthesis 4632.
incorporation-DNA, embryos/maternal tissues, mice, uracil (5-fluoro), effects on 4026.
incorporation-*Periplaneta americana* DNA, role-vitamin B12 6324.
interaction-amino acids, specificity 2915.
interaction-metals 69.
ionization mass spectrometry 6556.
isolation/identification, *Panax ginseng*, chromatography (high-speed liquid)/chromatography (thin-layer)-densitometry 1349.
metabolism, *Physarium polycephalum*, radiation (γ), effects on 6624.
methylated, separation, chromatography (thin-layer) 5741.
modified, tRNA, liver, rabbits, structure 5754.
modified, tRNA, structure/function, review 1315.
radiation (u.v.)-induced photooxidation, 2'-acetylformanilide, effects on 5749.
separation, chromatography (column) 52.
separation, chromatography (high-performance liquid) 5738.
separation, methodology 693.
separation-chromatography (high-pressure liquid) 1819.
steroids-nucleosides, antitumour agents, binding-receptors

Nucleosides, (continued)

4050.
 structure, review 1312.
 synthesis, diaminomaleonitrile ribosyl derivatives, intermediates 3387.
 synthesis, use-2-chloro-3-ethylbenzoxazolium tetrafluoroborat 65.
 synthesis, use-silyl protecting groups 72.
 2-thiolumazine derivatives, synthesis/properties 91.
 transport, embryo fibroblasts, chickens, inhibition-adenosine (5'-deoxy-5'-S-isobutylthio) 5283.
 transport, *Escherichia coli* membrane vesicles 5277.
 uptake, during replication cycles, HeLa cells 5278.
 uptake, Ehrlich ascites tumour cells, inhibition-methylhydrazones 1360.
 uptake, HeLa cells, inhibition-IMP (nitrobenzylthio) 2351.
 uracil (5-ethynyl)/cytosine (5-ethynyl), synthesis 1834.

Nucleosomes,
 arrangement, chromatin, liver, rats 1773.
 arrangement, *Odontophrynus americanus* condensed chromatin fibers 5218.
 arrangement, SV40 chromatin, electron microscopy 614.
 assembly 1282.
 assembly, role-protein (acidic) 2256.
 association-high mobility group nonhistone proteins 3308.
 chromatin, erythrocytes, chickens, conformations transitions, temperature/pH, effects on 7437.
 chromatin, HeLa cells, poly (ADP-ribose) polymerase localization 618.
 chromatin, histones packing 613.
 chromatin fibres, packing 6479.
 conformation, role-histone H1 3305.
 cores, deoxyribonuclease I cleavage sites 3330.
 cores, formation-DNA-histones complex digestion, characterization 4547.
 cores, occurrence-histone A24 3962.
 cores, reconstitution-polyd(A-T) + histones 5213.
 cores assembly, histones-DNA interaction 3949.
 cores particles, DNA conformation, n.m.r. 5217.
 cores particles, erythrocytes, chickens, binding-ethidium bromide, comparison-chromatin 7430.
 cores particles, reconstitution-histones mixtures, chickens/*Nicotiana* 6501.
 cores particles, structure, sodium chloride, effects on 5667.
 cores particles assembly 7433.
 deoxyribonuclease I/deoxyribonuclease II/staphylococcal nuclease cleavage sites 2185.
 determination-nonhistone proteins interaction sites, use-spectroscopy (Raman) 6482.
 DNA, cleavage-deoxyribonuclease I, kinetics 1166.
 DNA, distribution-phosphates groups 4297.
 DNA, embryos, chickens, tRNA genes purification/cloning 7282.
 DNA, erythrocytes, chickens, reaction-dimethyl sulphate, histones, effects on 5223.
 DNA, histones arrangement 599.
 DNA, histones distribution 4548.
 DNA, liver, rats, structure analysis, use-*Haemophilus influenzae* DNA methyltransferase modification 6488.
 DNA folding, models 3698.
 electric dichroism 1284.
 erythrocytes, chickens, conformation, pH/organic solvents, effects on 582.
 erythrocytes, chickens, DNA conformation, c.d. 1049.
 erythrocytes, chickens, reaction-rheumatoid factor 5655.
 formation, *Escherichia coli* restriction endonuclease fragments association-histones cores 5205.

formation, in vitro, SV40 DNA, association-calf thymus/CHO cells/sea urchins cells histones 634.
 fractions, L cells/Ehrlich ascites tumour cells, isolation/characterization 6483.
 high mobility group nonhistone proteins-containing, nuclei, myeloma, mice, fractionation 7426.
 histone H1/histone H5-containing, separation, erythrocytes, chickens 3322.
 histones, photochemical cross-linking DNA 1278.
 histones organization, cross-linking-formaldehyde 1764.
Holothuria tubulosa, organization during germ cells development 7443.
 isolation-chromatin 1247.
 like, particles, assembly-DNA-unwinding protein 7444.
 like, subunits, adenovirus (human) 2 DNA 4321.
 like particles, histone H3/histone H4-containing, preparation/characterization 6485.
 linkage DNA-lacking, binding-histone H1, induction-urea 3304.
 nonhistone proteins, characterization 3955.
 normal/phosphorylated, liver, rats, initiation-transcription 2491.
 normal/regenerating liver, rats, characterization 3309.
 occurrence-nonhistone proteins 1283.
 organization, chromosomes fibres, lymphocytes, cattle 6481.
 orientation, chromatin, neutron scattering 619.
 packaging, chromatin, liver, rats 2250.
 packaging, chromatin, thymus, rats 3968.
 packing-chromatin, thymus, rats, enzymatic analysis 5668.
 periodicity, HeLa cells chromatin 4544.
 phosphates groups neutralization-histones, effects on DNA conformation 3965.
 production pathway, mammalian nuclei chromatin 5224.
 purification, methodology 6490.
 rearrangement, human chromatin, association-radiation (u.v.)-induced DNA repair 631.
 reconstitution, DNA length effects on structure 6492.
Salmo testis, occurrence-high mobility group nonhistone proteins 5216.
Salmo testis nuclease digestion, characterization 5225.
 solution structure/dynamics, n.m.r. 4294.
 spacer regions, susceptibility-deoxyribonuclease I, relationship-histones acetylation 3961.
 spacing, chromatin, Friend leukaemia cells 2851.
 structure, role-histones 1765.
 structure/function, review 2880.
 subunits, DNA conformation 4543.
 transcription, human chromatin 626.
 trout testis, purification/characterization 1783.
 unfolding, mechanisms 5209, 5210.
Xenopus laevis oocytes, rRNA gene structure 2263.
 Yoshida sarcoma, DNA biosynthesis, template activity, stimulating-cellular factors 2737.

3'-Nucleotidase,
Agave cantala, resolution, chromatography (column) 3271.

5'-Nucleotidase,
 activity, erythrocytes, relationship-lead poisoning 561.
 activity, human lymphocytes B/lymphocytes T 5164.
 activity, L1210 cells 7387.
 activity, pectoral muscle, chickens 6440.
 activity/properties, relationship-adenosine concentration/role 564.
Bacillus subtilis, characterization 7388.
Crotalus adamanteus venom, interaction-actin, concanavalin A, effects on 7386.
 distribution-brain, mice, comparison-adenosinetriphosphatase 558.

5'-Nucleotidase,(continued)

glial cells, rats, localization 1743.
 human erythrocytes, determination 560.
 human lymphoid tissue, distribution 7385.
 liver, chickens, kinetics 1217.
 liver, rats, kinetics 3272.
 plasma membranes, liver, rats, age, effects on 6444.
 role-adenosine (deoxy) differential toxicity-lymphoblasts T/lymphoblasts B 5284.
 role-plasma membranes, liver, rats, activation-actin deoxyribonuclease I complex 5644.
 snakes, substrate specificity 559.
 snakes venom, substrates conformation 1216.
 yolk-sac, rats, distribution 1215.
Nucleotide (deoxyribo),
 n.m.r. 110.
Nucleotide (thio),
 modification-dimethyl selenoxide 682.
Nucleotide pyrophosphatase,
 localization-plants tissues, methodology 1209.
Nucleotide 3'-Pyrophosphokinase,
Streptomyces adaphospholyticus, characterization/activity 1208.
Nucleotide Q,
 conformation 111.
Nucleotides,
 see also **specific nucleotides**
 alkylation-alkyl halides 4020.
 alkylation-tetrabutylammonium fluoride 1339.
 analogues, phages DNA, determination, methodology 6146.
 analysis-chromatography (high-pressure liquid) 1364.
 backbone conformations, n.m.r. 6614.
 binding-actinomycin D, spectroscopy (absorption)/c.d. 120.
 binding-*Escherichia coli* RNA polymerase 2189.
 content, *Sclerotinia sclerotiorum*, during growth, phosphorus, effe332 7194.
 degradation, *Cyprinus carpio*, effect of cold storage 1860.
 derivatives, incorporation-mammalian cells, use-liposomes 6645.
 derivatives, poly(lysine), synthesis/properties 5299.
 effects on ribonuclease I activity/conformation 5130.
 fractionation, chromatography (thin-layer) 2911.
 immobilization-aminooxybutylcellulose 1373.
 immobilized, preparation/use-chromatography (affinity), review 3357.
 induction-*Bacillus subtilis* sporulation 727, 1370.
 interaction-actinomycin D, c.d. 1830.
 interaction-amino acids derivatives, n.m.r. 1855.
 interaction-metals 69.
 interaction-ozone 239.
 ionization mass spectrometry 6556.
 labelled, n.m.r. 719.
 lumazine derivatives, synthesis/properties 6615.
 metabolism, thymocytes, mice 5019.
 n.m.r. 110.
 phosphates groups, modification 5777.
 pools, bones cells, rats, purines/pyrimidines precursors, incorporation 1817.
 pools, compartmentalization 2925.
 purification-plants, methodology 2921.
 radiation (γ)-treated, complex formation, e.s.r. 6613.
 radiation (u.v.)-induced photooxidation, 2'-acetylformanilide, effects on 5749.
 separation, chromatography (high-performance liquid) 5738.
 separation, methodology 693.
 synthesis, electrochemical protecting group removal 4051.
 synthesis, methodology 6612.

synthesis, use-2-haloethyl groups removal 122.

synthesis, use-2-phenyl-ethanol 123.

Nucleotides (cyclic),

effects on mitogens-induced DNA biosynthesis, lymphoid cells, rabbits 1671.

Nutrition,

effects on human plasma/leucocytes ribonuclease I activity 1156.

O.r.d.,

haemoglobin mRNA structure 879.

Ochratoxin A,

inhibition-*Bacillus stearothermophilus* protein biosynthesis 1887.

inhibition-tRNA Phe aminoacylation, *Bacillus subtilis* 2393.

Ochromonas,

bacterial DNA, uptake/fate 1115.

Ochromonas danica,

rRNA, characterization 4790.

Octanucleotide,

conformation properties 4063.

helix-coil transitions, n.m.r. 6637.

Octolasmium transpadanum,

spermatids, mitochondria-mediated chromatin condensation 6503.

Odontophrynus americanus,

condensed chromatin fibers, nucleosomes arrangement 5218.

Oestradiol,

activation-chromatin-associated ribonuclease, oviduct, chickens 1705.

binding-chromatin, cortex/hypothalamus, rats 1263.

effects on early mRNA, *Xenopus laevis* liver 3048.

effects on prolactin/DNA biosynthesis, pituitary, rats 7125.

effects on RNA biosynthesis, embryos, mice 2506.

receptors, complex, kidney, mice, binding-oligonucleotides 6646.

receptors complex, binding-chromatin, sheep hypothalamus 2854.

stimulation-prolactin mRNA accumulation, pituitary, rats 3592.

Oestradiol receptors,

complex, binding-DNA, rats 2059.

complex, binding-oligo(dT)-cellulose 2270.

complex, chromatin binding sites 628.

17 β -Oestradiol,

binding-DNA, embryo cells, mice 6962.

effects on DNA biosynthesis/RNA biosynthesis/protein biosynthesis/vitellogenin biosynthesis, *Platichthys flesus* 6280.

effects on histones acetylation/chromatin transcription, brain, rats, relationship-ageing 5660.

effects on prolactin biosynthesis/preprolactin mRNA activity, pituitary cell culture, sheep 5863.

effects on rubella virus replication 2502.

induction-vitellogenin mRNA accumulation, *Xenopus* liver, in vitro 3587.

stimulation-DNA polymerase α , uterus, rats, age, effects on 542.

Oestrogen,

administration withdrawal, chickens, control-ovalbumin/ovomucoid/lysozyme mRNA 3012.

effects on albumin mRNA content, liver, chickens 3011.

effects on DNA biosynthesis/RNA biosynthesis, mice 428, 1650.

effects on ovalbumin genes transcription in vitro 3588.

Oestrogen, (continued)

effects on ovalbumin mRNA transcription/translation, chickens 2503.
 effects on prolactin mRNA levels, pituitary, rats 6011.
 effects on prolactin biosynthesis/mRNA accumulation, pituitary, rats 6009.
 effects on prolactin/growth hormone biosynthesis/mRNA translation, pituitary, sheep 5862.
 effects on RNA biosynthesis, brain regions, rats 3590.
 effects on RNA biosynthesis, nucleoli, liver, rats 1985.
 effects on RNA sequence complexity/frequency, liver, chickens 4202.
 effects on transcription-vitellogenin sequences, chromatin, liver, chickens 272.
 induced pituitary tumours, rats, DNA biosynthesis/RNA biosynthesis 2126.
 induced mRNA, liver, chickens. cloning-complementary DNA 7280.
 receptors, interaction-uridine (5-halo) substituted DNA 5470.
 receptors, localization, chickens oviduct chromatin 1777.
 regulation-ovalbumin mRNA translation, oviduct, chickens 1890.
 stimulation-DNA biosynthesis, pituitary, rats, nafoxidine, effects on 1651.
 stimulation-DNA polymerase, uterus, rats 533.
 stimulation-ovalbumin/conalbumin mRNA biosynthesis, oviduct, chickens 2504.
 withdrawal, oviduct, chickens, effects on gene expression 5407.
Oestrogen receptor,
 uterus, rabbits, affinity-uridine (5-bromodeoxy)-substituted DNA 1801.
Oestrogens,
 effects on uteroglobin mRNA accumulation, uterus, rabbits 6008.
Oestrone,
 binding-DNA, liver, rats 3080.
Okazaki fragments,
Escherichia coli, characterization 7190.
Oligo (A),
 antibodies, characterization 3932.
 derivative, alkylation-DNA 970.
 derivatives, binding-*Escherichia coli* DNA 6961.
 helix structure, stability, role-solvent 3428.
 inhibition-protein biosynthesis, BHK-21 cells 3436.
 inhibition-protein biosynthesis, mammalian cells, mechanisms, role-nuclease 6647.
 protein biosynthesis inhibitors, enzymatic synthesis/characterization/n.m.r. 5818.
 stability, normal/interferon-treated HeLa cells 4068.
 synthesis/c.d. 5800.
 3'-terminus analysis, chromatography (high-pressure liquid) 4658.
2,5'-Oligo (A),
 assays 6449.
 interferon-treated HeLa cells, assays 6419.
Oligo d(A-T),
 structure, X-ray diffraction 151.
2',5'-Oligo (A) polymerase,
 activity, interferon-treated HeLa cells, relationship-encephalomyocarditis virus RNA biosynthesis inhibition 5631.
2',5'-Oligo A synthetase,
 interferon-treated L cells, purification/characterization 6445.
Oligo (arginine),
 interaction-DNA 2040.

Oligo (dC),

initiation-avian myeloblastosis virus DNA biosynthesis, binding sites mapping 4373.

Oligo d(G-C),

conformation, sodium chloride solutions, n.m.r. 5812.

Oligo (dT),

cellulose, binding-oestradiol receptors complex 2270.

cellulose, chromatography, isolation-ribonucleoprotein (messenger), eukaryotes cells 6471.

formation-antibodies, rabbits 2824.

polymerization-phage T4 polynucleotide ligase, antibiotics, effects on 4670.

Oligo-isoadenylate synthetase,

interferon-induced, isolation/purification 2217.

Oligodeoxyribonucleotides,

see also **Oligonucleotides**

arylazides-containing, synthesis 2359.

binding-ethidium bromide 1862.

conformation transitions, n.m.r. 4664.

electrophoretic mobility, base composition, effects on 4665.

enzymatic synthesis 160, 1386.

human insulin genes, synthesis 2355.

probes, use-gastrin mRNA detection, mucosa, intestine, pigs 6764.

production-phage ϕ X174 DNA transversion mutant 6090.

promoters regions, tRNA Tyr suppressors genes, synthesis 5792.

restriction endonuclease cleavage sites-containing, synthesis 2360.

solid-phase synthesis 131.

synthesis 2357.

synthesis, immobilization-cellulose 130.

synthesis, phage ϕ X174 primers 142.

synthesis, solid phase methods 4060.

synthesis, solid phase methods, phosphates groups blocking 3422.

synthesis, use-polymers support 4662.

synthesis/enzymatic properties 5801.

synthesis/mutagenesis activity 744.

synthetic, hybridization-phage ϕ X174 complementary base pairs, errors amber mutant 7033.

termini regions, tRNA Tyr suppressors genes, synthesis 5793.

use-DNA structure/function analyses 1335.

use-mutations correction, phage ϕ X174 DNA 1113.

Oligonucleotides,

see also **Oligodeoxyribonucleotides**

addition-DNA 5'-terminus, phage T4 RNA ligase 3928.

adenine + 6,7-diphenylumazine-containing, synthesis 138.

binding-*Escherichia coli* tRNA Lys/yeasts tRNA Phe anticodons 166.

binding-magnesium 3433.

binding-oestradiol receptors complex, kidney, mice 6646.

binding-RNA polymerase, *Escherichia coli*, phage T7 induced 2790.

blocking group, synthesis 128.

blocking groups, synthesis 134.

chromatography (high-pressure liquid) 4657.

complementary-*Escherichia coli* rRNA 16S 3'-terminus, inhibition-phage Q β RNA binding-ribosomes, initiation complex formation 4131.

complex-ethidium, n.m.r., DNA mutagenesis models 2930.

complex formation-phage T7 induced RNA polymerase 5619.

complex-glycopeptides, antitumour activity 5312.

derivatives, incorporation-mammalian cells, use-liposomes 6645.

derivatives, synthesis, use-rRNA methylation 4061.

enzymatic synthesis, use-polyribonucleotide

Oligonucleotides, (continued)

nucleotidyltransferase 1387.
 enzymatic synthesis, use-primers 2371.
Escherichia coli rRNA 16S 3'-terminus, biosynthesis 732.
Escherichia coli rRNA 16S 3'-terminus fragments, synthesis 730.
 formation during prebiosis, kaolinite/cyanamide, effects on 5794.
 fractionation, use-chromatography (column), acriflavine-Sephadex 2927.
 fragments, *Escherichia coli* tRNA fMet, joining-phage T4 RNA ligase 1871.
 fragments, human insulin DNA, synthesis/purification-chromatography (reversed-phase) 4059.
 immobilization-aminooxybutylcellulose 1373.
 inhibition-protein biosynthesis, interferon treated L cells 4672.
 inhibition-RNA biosynthesis, tumours 919.
 interaction-phage M13 proteins, n.m.r./chemically induced dynamic nuclear polarization 2364.
 ligands, binding cooperativity, models 2931.
 localization-guanosine residues, methodology 2365.
 phosphates groups, modification 5777.
 pyrimidines-rich, reovirus, fate following infection 4671.
 pyrolysis products, mass spectroscopy 145.
 RNA, yeasts, binding-tobacco mosaic virus proteins 6541.
 solid-phase synthesis 1374.
 5-substituted uridine-containing, physical properties/biological properties 146.
 synthesis, angiotensin structural gene DNA 2030.
 synthesis, deblocking, use-oximates 3420.
 synthesis, lead compounds catalysis 6630.
 synthesis, methodology, review 2895.
 synthesis, n.m.r. 137.
 synthesis, parameters/sequences-length distribution 164.
 synthesis, phosphorylation, use-O-aryl S-methyl phosphorochloridothioates 3421.
 synthesis, solid phase methods 6629.
 synthesis, use-polymer carrier 731.
 synthesis, use-8-quinolinesulphonyl chloride 129.
 synthesis, use-silyl protecting groups 2361.
 synthetic, DNA, X-ray crystallography 4064.
 synthetic, transcription-*Escherichia coli* RNA polymerase, products characterization 6847.
 yeasts tRNA fMet bases sequence, synthesis 6632.
Oligonucleotidyl-(5'→N)-Amino acids, synthesis 125.
Oligonucleotidyl-(5'→N)-Peptides, synthesis 125.
Olisthodiscus luteus, chloroplasts, DNA content, plastids variation, effects on 5444.
 isolation-high molecular weight rRNA 3516.
Onchorhynchus masou, tRNA Arg content/tRNA (arginyl) synthetase activity, spermatogenesis 168.
Oncopeltus fasciatus, embryo cells, poly (A)-containing RNA, distribution, analysis 3518.
Oncornavirus, see also C-type virus associated RNA 8S, expression-mammalian cells 6821.
 association/detection-human leukaemia, review 2282.
 DNA polymerase (RNA-dependent), detection-human leukaemia cells 6437.
 DNA polymerase (RNA-dependent), detection-associated ribonuclease H activity 7319.
 DNA polymerase (RNA-dependent), expression-human cells,

review 2283.
 DNA polymerase (RNA-dependent), interaction-protein p30 2808.
 DNA polymerase, TTP arabinoside/CTP arabinoside, effects on 1733.
 endogenous, chickens, sequence distribution *Galliformes* DNA 7087.
 like, RNA 30S, defective, infectivity-mice/rats cells, C-type virus packaging, effects on 3630.
 multiplicity/activity, ribavirin, effects on 5298.
 N-tropic/xenotropic, genomes sequence, transcription-BALB/c cells, mice 5923.
 ribonuclease H, DNA polymerase (RNA-dependent)-associated activity, o-phenanthroline, effects on 7320.
 RNA, reverse transcription, review 2878.
 RNA, structure/replication, review 5708.
 RNA polymerase/DNA polymerase (RNA-dependent), review 656.
 structure/replication/recombination, review 3350.
 transformation, review 667.
Oncornavirus (avian), DNA polymerase (RNA-dependent), isolation/characterization, virus-free system 1205.
 double-stranded DNA intermediates, analysis 2629.
 env gene, characterization 1011.
 env gene RNA, nucleotide sequence 1010.
 mutants, RNA, role-mRNA 4239.
 tRNA Met, nucleotide sequence/biological properties 2378.
Oncornavirus (murine), B-tropic/N-tropic, Fv-1 locus specific resistance, transfer, cytoplasmic RNA 2525.
Oocytes, human, meiosis, RNA biosynthesis 1974.
 mice, RNA biosynthesis pattern during meiosis 262.
Operators, DNA, binding-lactose repressor cores proteins 6538.
 DNA, binding-phage λ repressors N-terminus, transcription control 5677.
 interaction-lactose repressor, glycerol/dimethylsulphoxide, effects on 1304.
 interaction-repressors, control 5240.
 lactose operator, association-lactose repressor, role-ionic strength 4565.
 lactose operator, binding-lactose repressor N-terminus fragments 2872.
 lactose operator, *Escherichia coli*, binding-lac repressor 3343.
 lactose operator, *Escherichia coli*, lactose repressor recognition, models 653.
 lactose operator, interaction-lactose repressor, ions concentration, effects on 3340.
 lactose operator, interaction-lactose repressor, adenine-thymine transversion, effects on 6537.
 lactose operator, mRNA, biosynthesis/degradation, ribosomal subunit 30S-depleted *Escherichia coli* 6854.
 lactose operator, mRNA, *Escherichia coli*, effects on β -galactosidase mRNA translation initiation 4243.
 location/function-*Escherichia coli* galactose operon 5599.
 O_R operator, regions, phage 434, characterization 4310.
Operons, see also Genes, Cistrons, etc. analysis, use-fusion, review 5252.
 arabinose operon, araBAD promoter, *Escherichia coli*, DNA nucleotide sequence 1026.
 arabinose operon, *Escherichia coli* DNA, nucleotide sequence 1025.
 arginine operon, *Escherichia coli*, control regions, cloning/

Operons,(continued)

- restriction endonuclease analysis 7067.
- biotin operon, *Escherichia coli*, nucleotide sequence/promoters characterization 2643.
- book 4000.
- galactose operon, *Escherichia coli*, leaders sequence, insertion sequence 1 integration sites, analysis 3758.
- galactose operon, *Escherichia coli*, operators location/function 5599.
- galactose operon, *Escherichia coli*, promoters control 5598.
- galactose operon, phase 82, escape synthesis 2693.
- histidine, *Escherichia coli*, attenuator region nucleotide sequence 1029.
- histidine, *Salmonella typhimurium*, control region, nucleotide sequence 1032.
- histidine operon, *Escherichia coli*, attenuator region, nucleotide sequence 1029.
- histidine operon, expression, *Escherichia coli*, rho gene, effects on 3024.
- histidine operon, regulation regions, *Escherichia coli*, cloning-plasmid pBR313 5100.
- histidine operon, *Salmonella typhimurium*, control region nucleotide sequence 1032.
- histidine operon, *Salmonella typhimurium*, cloning-phase M13 7276.
- ilvEDA operon, attenuation, role-tRNA (isoleucyl) synthetase/tRNA (valyl) synthetase, *Escherichia coli* 1407.
- isoleucine-valine operon, *Escherichia coli*, regulation-tRNA 2383.
- lactose operon, control regions, interaction-RNA polymerase/lactose repressor 3250.
- lactose operon, *Escherichia coli*, expression in vitro, guanosine tetraphosphate, effects on 4655.
- lactose operon, *Escherichia coli*, recombinants plasmids, construction/mapping 6364.
- lactose operon, expression, *Escherichia coli* RNA polymerase temperature-sensitive mutant 7272.
- lactose operon, operators-like regions, role-regulation mechanisms 3993.
- lactose operon, promoters, *Escherichia coli*, interaction-RNA polymerase 2788.
- lactose operon, uracil (5-bromo) substitution, effects on interaction-lactose repressor 652.
- lactose operon/galactose operon, *Escherichia coli*, polarity, AMP (cyclic), effects on 6853.
- lactose operon mRNA, *Escherichia coli*, turnover, association-dihydrofolate reductase inhibition 1540.
- leftward, localization-phase λ transcription termination sites 992.
- phenylalanine operon, *Escherichia coli*, leader region nucleotide sequence 1028.
- phenylalanine operon, *Escherichia coli*, leader region, nucleotide sequence 1028.
- riboflavin, *Bacillus subtilis*, amplification-*Escherichia coli* 3213.
- riboflavin operon, *Bacillus subtilis*, cloning-*Escherichia coli* 2159.
- rRNA, *Escherichia coli*, spacer regions, nucleotide sequence 6203.
- rRNA, *Escherichia coli*, transcription initiation, characterization 5991.
- rRNA, regions, *Escherichia coli*, tRNA Ile genes nucleotide sequence 3114.
- rRNA rrnE operon/rrnA operon, *Escherichia coli*, promoters regions, nucleotide sequence 6206.
- rRNA rrnE operon/rrnA operon, *Escherichia coli*, identification-transcription initiation sites 6208.
- RNA 4S, containing, DNA, phase λ , isolation/characterization 326.
- spectinomycin operon, ribosomal proteins, promoters, *Escherichia coli*, nucleotide sequence 2078.
- streptomycin operon, ribosomal proteins, *Escherichia coli*, promoters mutants, nucleotide sequence 2079.
- streptomycin operon, ribosomal proteins, promoters, *Escherichia coli*, nucleotide sequence 2078.
- threonine operon, *Escherichia coli*, regulation regions, identification/restriction endonuclease mapping 3755.
- threonine operon, regulation regions, *Escherichia coli*, DNA sequence 4972.
- tryptophan operon, attenuator, *Escherichia coli*, base-pair alterations, transcription termination, effects on 909.
- tryptophan operon, *Escherichia coli*, 3'-terminus nucleotide sequence 1485.
- tryptophan operon, *Escherichia coli*, transcription termination, control-translation 2515.
- tryptophan operon, evolution, genes fusion, Enterobacteriaceae 5098.
- tryptophan operon, mRNA, *Escherichia coli*, degradation-phage λ infection 1999.
- tryptophan operon, *Serratia marcescens*, nucleotide sequence 2644.
- tryptophan operon, *Shigella dysenteriae*, nucleotide sequence 1610.
- tryptophan operon, transcription, *Escherichia coli*, role-termination factor rho 2488.
- Opsin**, mRNA, retina, cattle, in vitro translation 6072.
- Organomercurials**, stimulation-DNA biosynthesis, human lymphocytes 5577.
- Orgyia pseudotsugata**, nuclear polyhedrosis bundle virus/nuclear polyhedrosis single-rod virus, DNA, molecular weight determination 6189.
- Ornithogalum elatum**, endosperm, nucleolar DNA amplification 467.
- Orotate phosphoribosyltransferase**, kinetic isotope effects 549.
- Orotic acid**, effects on RNA biosynthesis/protein biosynthesis, undernourished rats 290.
- Orotidine-5'-Phosphate decarboxylase**, mRNA, *Saccharomyces cerevisiae*, transcription regulation 2999.
- Orytolagus cuniculus**, chromosomes, DNA content 6519.
- Oryza**, nuclear DNA, characterization 6260.
- nuclear DNA content 3658.
- Oryza sativa**, seeds, DNA biosynthesis during germination 3843.
- Osmium**, labelled tRNA Tyr, yeasts, preparation, methodology 6659.
- ligands specific-polynucleotides 6628.
- Osmium tetroxide**, reaction-poly A (1,N⁶-etheno) 135, 2362.
- Ostriches**, DNA, homology-chickens/quails/ostriches 1623.
- Ouabain**, effects on RNA biosynthesis, cell culture, muscles, chickens 5415.
- Ovalbumin**, genes, chickens, cloned, organization/5'-terminus nucleotide sequence 3773.
- genes, chickens, cloning 5114.
- genes, chickens, cloning/organization 4362.

Ovalbumin,(continued)

genes, chickens, intervening sequence mutation, cloning 4467.
 genes, chickens, introns, effects on ovalbumin biosynthesis, *Escherichia coli* 7270.
 genes, chickens, introns, nucleotide sequence analysis 4363.
 genes, chickens, junctions regions, nucleotide sequence 3774.
 genes, chickens, leader sequence 1050.
 genes, chickens, restriction endonuclease Eco RI fragments, characterization 2665.
 genes, chickens, transcription 2490.
 genes, chickens, transcription, diethylstilbestrol, effects on 4203.
 genes, cloning, DNA, chickens 483.
 genes, insertion-plasmid pCR1, analysis 6142.
 genes, intervening sequences, chickens 402.
 genes, oviduct, chickens, in vitro transcription, oestrogen, effects on 3588.
 genes, regions, chickens, DNA fragments isolation/mapping 4939.
 genes, structure/organization 4992.
 genes DNA, liver, chickens, cloning/molecular organization 5520.
 mRNA, biosynthesis, oviduct, chickens, stimulation-oestrogen 2504.
 mRNA, chickens oviduct, transcription/translation-rabbits reticulocyte lysate, methylmercury hydroxide, effects on 6874.
 mRNA, cloned complementary DNA, transcription-*Xenopus laevis* oocytes 6370.
 mRNA, control during oestrogen administration/withdrawal, chickens 3012.
 mRNA, 5'-terminus structure 251.
 mRNA, transcription/translation, chickens, oestrogen/progesterone, effects on 2503.
 mRNA, translation, oviduct, chickens, regulation-oestrogen/progesterone 1890.
Ovary,
 rats, RNA biosynthesis, stimulation-AMP (cyclic) 1511.
Ovibos,
 pancreas, histone H1, isolation 1767.
Oviduct,
 chickens, identification-ovomucoid mRNA precursors 3519.
 chickens, isolation-high mobility group nonhistone proteins 2849.
 chickens, oestradiol activation-chromatin-associated ribonuclease 1705.
Ovomucoid,
 genes, chickens, DNA mapping/electron microscopy 3772.
 mRNA, precursors, identification, oviduct, chickens 3519.
 mRNA, control during oestrogen administration/withdrawal, chickens 3012.
Oxen,
 mitochondria, DNA, nucleotide sequence, comparison-liver/brain 5530.
Oximates,
 use-deblocking, oligonucleotides synthesis 3420.
Oxygen,
 DNA, N-ethyl-N-nitrosourea reaction sites, normal/xeroderma pigmentosum fibroblasts/brain cells, rats 3676.
 effects on DNA inactivation-radiation (γ) 3074.
 effects on neocarzinostatin DNA cleavage 341.
 effects on *Rhodotorula gracilis* RNA biosynthesis 1519.
Oxytricha,
 macronuclei, DNA size 4976.
Oxytricha fallax,
 macronuclei, DNA, characterization 1036.

Ozone,

effects on polyribosomes/rRNA 5355.
 induction-*Escherichia coli* DNA degradation 7296.
 interaction-yeasts RNA/nucleotides/nucleotide (deoxyribo)/purines/pyrimidines 239.

Palladium,

complex-glycyl-tyrosine, coordination-ATP/ADP 5784.

Panagrellus silusiae,

collagen, in vitro translation 186.
 DNA, characterization 3120.
 poly (A)-containing mRNA, isolation/translation in vitro 5393.

Panax ginseng,

nucleosides/purines/pyrimidines, isolation/identification, chromatography (high-speed liquid)/chromatography (thin-layer)-densitometry 1349.

Pancreas,

cattle, tRNA (tryptophanyl) synthetase, chemical properties 2394.

guinea pigs, DNA repair, N-methyl-N-nitrosourea-induced damage 3161.

rats, mRNA accumulation during embryos development 4220.

Pandorina morum,

DNA content during growth/cell division 7195.

Panulirus longipes,

DNA biosynthesis/RNA biosynthesis, β -ecdysone, effects on 3585.

Papaya mosaic virus,

assembly, initiation, role-RNA 1300.
 assembly, RNA specificity 1301.
 proteins, sequential encapsidation-heterologous RNA 4563.

Papilloma virus,

Mastomys natalensis, DNA, characterization 2631.

Papilloma virus (bovine),

DNA, characterization 6190.
 DNA, characterization, comparison-strains 2630.

Papilloma virus (human),

DNA, characterization 4333.

Papilloma virus (human) 1,

DNA replication, localization-human warts 6275.

Papovavirus,

characterization 1012.
 DNA mapping, review 4598.

Papovavirus (hamster),

DNA, characterization 6191.

Paracentrotus lividus,

chromatin nonhistone proteins, electrophoresis 6477.
 developmental genetics, uridine(5-bromodeoxy), effects on 2338.

DNA biosynthesis/histones biosynthesis, trypsin, effects on 5199.

eggs, mitochondria, DNA biosynthesis, removal-cells nuclei, effects on 5059.

embryos, DNA, electron microscopy 1618.

embryos, DNA-proteins complex, isolation/characterization 3994.

gastrulation, uridine(5-bromodeoxy), effects on 2339.
 histones genes activity during embryogenesis, mRNA, characterization 3031.

rRNA gene amplification 1044.

transcription, in vitro, nonhistone proteins, effects on 1257.

Paramecium,

macronuclei, DNA size 4976.

- Paramecium caudatum***, cells, DNA biosynthesis control 7192.
- Paramecium tetraurelia***, DNA, radiation (u.v.)-induced damage, photoreactivation, effects on 5040.
- macronuclei, DNA content, regulation 5015.
- rRNA gene arrangement 1612.
- Parathyroid hormone**, mRNA, cattle, characterization/purification 883.
- Parathyroid secretory protein**, precursors, mRNA, parathyroid, cattle, isolation/translation-cell-free system, products characterization 6923.
- Parechinus angulosus***, histone H2b, amino acid sequence 1761.
- Paromomycin**, resistance mutation, *Saccharomyces cerevisiae* mitochondria ribosomes, characterization 6746.
- Parvovirus**, DNA, integration-hosts genomes 4455.
- replication, virions-associated DNA polymerase, absence 2202.
- Parvovirus (bovine)**, genomes DNA transcription-foetal spleen cells nuclei, RNA polymerase activity during infection 6004.
- Pasteurella multocida***, R factors, isolation/characterization 987.
- Patulin**, inhibition-translation, reticulocyte lysate cell-free system 4125.
- Paulownia tomentosa***, seeds, DNA biosynthesis/RNA biosynthesis/protein biosynthesis, during dormancy/light stimulation 3194.
- Pea enation mosaic virus**, strains, RNA structure, effects on transmission-*Acyrtosiphon pisum* 4176.
- Pediococcus***, DNA homology 393.
- Pediococcus cerevisiae***, uridine(5-fluoro-2'-deoxy) drug resistance, mechanisms 2343.
- Penicillin G**, effects on DNA biosynthesis/RNA biosynthesis/protein biosynthesis, *Hapalosiphon welwitschii* 6020.
- Penicillium brevi-compactum***, ribonuclease biosynthesis, RNA/AMP, effects on 303.
- ribonuclease I/ribonuclease II biosynthesis, pH/temperature, effects on 3881.
- Penicillium chrysogenum***, DNA, purification/characterization 2653.
- Penicillium chrysogenum virus***, double-stranded RNA, degradation, serum enzymes 1539.
- Penicillium claviforme***, ribonuclease, dinucleoside phosphates synthesis, acceptors modification, effects on 6656.
- ribonuclease, substrate specificity 5125.
- Penicillium stoloniferum virus S***, associated, RNA polymerase (RNA-dependent), double-stranded RNA replication 2793.
- Pennisetum typhoides***, DNA, nuclear genomes, characterization 5534.
- Pentaammineruthenium**, complex-cytidine/adenosine/tubercidin, synthesis 75.
- 2,4-Pentanedione**, effects on *Escherichia coli* tRNA (phenylalanyl) synthetase activity 775.
- Pentanucleotides**, yeast tRNA Val, synthesis 163.
- Peptides**, hydrogen bonds-uracil, solution, n.m.r. 3372.
- tyrosine-containing, interaction-DNA 3664.
- Peptidyl-tRNA hydrolase**, effects on protein biosynthesis initiation, *Escherichia coli* 3508.
- Peptidyltransferase**, activity, *Escherichia coli* ribosomal subunit 50S, role-ribosomal proteins 6744.
- activity, free/membrane-bound polyribosomes, comparison 6754.
- activity, ribosomal subunit 50S, modification-ethoxyformic anhydride 3502.
- Escherichia coli*, demycarosylturimycin H, effects on 3499.
- Escherichia coli*, stimulation-cytosine (6-aza)/uracil (4-thio) 4040.
- ribosomes, control, stereochemistry 3497.
- ribosomes, mitochondria, cattle, antibiotics susceptibility 4737.
- sites, *Escherichia coli* ribosomes, photoaffinity labelling-puromycin analogues 4106.
- substrates, puromycin analogues 1912.
- Periplaneta americana***, DNA, nucleosides incorporation, role-vitamin B12 6324.
- DNA/RNA content, actinomycin D/dimethoate, effects on 5041.
- Peromyscus eremicus***, heterochromatin DNA, nuclease digestion 3776.
- Peroxidase**, catalysis-DNA binding-benzo(a)pyrene derivatives 6973.
- Persea americana***, avocado sunblotch, isolation-viroids-like RNA 5364.
- low molecular weight RNA, occurrence-avocado sunblotch 5365.
- Petroselinum***, RNA polymerase II, multiple forms, purification/characterization 4490.
- Petroselinum crispum***, rRNA precursors, molecular weight determination 5987.
- Petroselinum hortense***, phenylalanine ammonia-lyase/flavanone synthase, induction-radiation (u.v.) 3626.
- Petroselinum sativum***, cell culture, messenger ribonucleoproteins, isolation/characterization 590.
- DNA, renaturation studies, methodology 2676.
- RNA (heterogeneous nuclear)/mRNA, genomes expression/sequence complexity 4841.
- Petunia hybrida***, DNA content during development 324.
- pH**, effects on adenosine (etheno) derivatives fluorescence 4629.
- effects on deoxyribonuclease I, pancreas, cattle, role-calcium 511.
- effects on nucleosomes conformation, erythrocytes, chickens 582.
- effects on purines, detection-n.m.r. 2304.
- role-mutagenesis, review 5716.
- Phage λ** , att sites, *Escherichia coli*, nucleotide sequence 1584.
- attachment sites-*Escherichia coli* trpC gene, nucleotide sequence 3715.
- base pairs changes, production-recombination hotspots 3099.
- chromosomes, packaging 3973.
- chromosomes DNA, packaging, specificity 3713.
- cI gene, nucleotide sequence 2608.
- cloning-*Escherichia coli* RNA gene 3870.

Phage λ (continued)

- cloning-*Neurospora crassa* rRNA gene restriction endonuclease fragments 7072.
 cloning vectors construction 2751.
 cloning-yeasts tRNA Tyr genes 3877.
 cro repressor, effects on transcription in vitro 3987.
 deletion mutant, attachment sites, DNA nucleotide sequence 378.
 deletion mutant, DNA insertion, transposition 5088.
 DNA, alkylation, specific fragmentation-oligo (T) 5'-terminus regions 5492.
 DNA, complex-membranes, isolation-infected *Escherichia coli* 3196.
 DNA, differential methylation-*Escherichia coli* mutants 7393.
 DNA, double-stranded breakage-adrenalone aromatic reductones 358.
 DNA, enzymatic breakage, ter reaction 486.
 DNA, in vitro methylation-phage T2 dam mutant DNA methyltransferase 3604.
 DNA, interaction-platinum complex 6957.
 DNA, melting profiles, dependence-sodium chloride concentration 6148.
 DNA, operons RNA 4S-containing, isolation/characterization 326.
 DNA, restriction endonuclease EcoRI fragments, containing hybrids plasmids, construction 6352.
 DNA, restriction endonuclease EcoRI cleavage mechanisms 5138.
 DNA, restriction endonuclease fragmentation/mapping 2606.
 DNA, restriction endonuclease fragments, separation, identification-i*Escherichia coli* RNA polymerase promoters 994.
 DNA, restriction endonuclease HpaI mapping DNA, phage λ , restriction endonuclease HpaI mapping 2607.
 DNA, RNA polymerase binding sites, mapping, electron microscopy 376.
 DNA, transcription initiation sites, mapping, electron microscopy 7031.
 DNA, transfection, bacteria, freeze-thawing 4444.
 DNA repair, radiation (u.v.)-induced damage 7129.
 DNA repair, radiation (u.v.)/radiation (γ) induced damage, comparison-*Escherichia coli* 7143.
 DNA replication, cloning-gene P, effects on 5020.
 double-stranded DNA, uptake-*Nicotiana* protoplasts 5581.
Escherichia coli chromosomes replication origin carrying, plasmid pMCR115 construction 3205.
 heads, DNA packaging 3100.
 heads, DNA packaging, role-FI gene products 3711.
 hybrids-R factor RSF2124, integration-*Escherichia coli* chromosomes 5591.
 induction, furocoumarin photosensitization-*Escherichia coli* 4911.
 infected *Escherichia coli* minicells, ribosomal proteins biosynthesis/incorporation-ribosomes 4115.
 infection-*Escherichia coli*, tryptophan operon mRNA degradation 1999.
 injection-defective, DNA arrangement 995.
 int gene products, DNA-unwinding protein activity 7456.
 integration, regulation, int gene transcription 3858.
 interference-phage P2, role-old gene 477.
 O gene, nucleotide sequence 377.
 plasmids carrying, use-cloning vectors 5083.
 polyoma virus DNA-containing, construction/infectivity-fibroblasts, mice 7265.
 prophages integration DNA fragments, containing, recombinant plasmids, construction 1684.
 psoralen + radiation (light)-induced cross-links, DNA repair 3811.
 R factor R100-carrying, properties 3856.
 radiation (γ) induced mutation, cysteamine/DNA repair defects, effects on 4395.
 radiation (u.v.), DNA repair/recombination, inhibition-DNA gyrase inhibitors 1075.
 recombinants plasmids, DNA cloning 1117.
 recombination, review 664.
 recombination, role-superhelical DNA 476.
 replication origin, DNA sequence 4934.
 repression regulation sites, location 3603.
 repressors, regulation-genes, review 668.
 repressors, N-terminus, binding-operators DNA, transcription control 5677.
 rRNA/tRNA, gene expression, deletion analysis 3602.
 role-*Escherichia coli* RNA polymerase β -subunit biosynthesis, regulation 1720.
 sites-specific recombination, DNA strands exchange 4447.
 sites-specific recombination, *Escherichia coli* galT gene 3714.
 tra gene-carrying, DNA, characterization 3712.
 transcription-int gene 6818.
 transcription termination sites, localization-leftward operons 992.
 transposon Tn10 induced inversions/deletion, structure 4935.
 transposon Tn10 insertion, sequence analysis 4936.
 uridine (5-bromodeoxy)-containing DNA, restriction endonuclease digestion 3236.
 use-DNA recombination, review 663.
 vectors, cloning-herpes simplex virus 1 DNA fragments 5092.
 vectors, cloning-*Saccharomyces cerevisiae* rRNA gene repeat unit 1139.
 vectors, construction, characterization 3859.
 vectors, use-cloning 7255.
 vectors, use-cloning/gene expression, DNA fragments insertion 4448, 4462.
 vectors, use-polyoma virus DNA cloning-*Escherichia coli* 5094.
Phage λ fus 3, restriction endonuclease fragments, *Escherichia coli* tufA gene carrying, cloning 4446.
Phage λ imm21, hybrids, ColEI-types DNA-containing, immunity 6351.
Phage λ rfd18, DNA, regulation-*Escherichia coli* ribosomal protein L12 biosynthesis 5089.
Phage ρ 10, DNA, restriction endonuclease cleavage mapping 989.
Phage ρ 11, DNA, integration-*Bacillus subtilis* chromosomes, methodology 6354.
Phage ρ 14, DNA, restriction endonuclease cleavage mapping 989.
Phage ρ C, DNA biosynthesis, *Escherichia coli* dna mutant 1977.
Phage ρ Cd-1, DNA, structure, models 4317.
Phage ρ Cp2, *Caulobacter crescentus*, translation-*Escherichia coli* cell-free system 1976.
Phage ρ e, *Bacillus subtilis*, DNA, transfection, phosphorus-32 decay, effects on 7256.
 DNA, thymine incorporation during *Bacillus subtilis* transfection 6576.
 transfection DNA, fate-*Bacillus subtilis* 2750.

- Phage ϕ K**,
replicative form DNA, replication-*Escherichia coli* dnaB mutant/dnaC mutant 3801.
- Phage ϕ X174**,
complementary base pairs, hybridization-synthetic oligodeoxyribonucleotides, errors amber mutant 7033.
denaturation mapping/genes mapping, comparison 3710.
DNA, binding-benzo(a)pyrene diol epoxide, infectivity inhibition 5464.
DNA, cleavage-snakes venom phosphodiesterase 2778.
DNA, *Escherichia coli* RNA polymerase binding sites, localization 380.
DNA, inactivation-spermine, mechanisms 3685.
DNA, interaction-benzo(a)pyrene/chrysene/dibenz(a,h)anthracene diol epoxide 6106.
DNA, localization-*Escherichia coli* RNA polymerase binding sites, electron microscopy 2614.
DNA, melting curve/denaturation maps, analysis 7032.
DNA, melting structure 7030.
DNA, mutations, correction, use-oligodeoxyribonucleotides 1113.
DNA, nucleotide sequence 2604.
DNA, nucleotide sequence determination, methodology 6551.
DNA, photoinactivation-proflavine 2700.
DNA, photooxidation-thiopyronine, sedimentation analysis 1568.
DNA, restriction endonuclease cleavage mapping, comparison-phage St-I/phage G4 996.
DNA, structure, *Escherichia coli* ribosomal protein S1 binding, effects on 848.
DNA, transversion mutant production-oligodeoxyribonucleotides 6090.
DNA biosynthesis, *Escherichia coli* dna mutant 6268.
DNA biosynthesis, primer biosynthesis 424.
DNA conformation, effects on free radicals induction-proflavine 6112.
DNA heteroduplex-phage G4, mapping, electron microscopy 4938.
DNA replication, fidelity-*Escherichia coli* DNA polymerase I, metals/nucleotides pools, effects on 7370.
double-stranded DNA fragments, stability mapping 2071.
F gene, nucleotide sequence 2605.
gene A proteins, purification/characterization 6381.
gene G, construction-deletion mutant 5090.
genes, products analysis 2153.
genomes, analysis 2448.
genomes, comparison-phage ϕ X174, mapping, use-electron microscopy 4316.
H gene mutants, DNA biosynthesis, infected *Escherichia coli* 3800.
primers, oligodeoxyribonucleotides synthesis 142.
promoters, radiation (u.v.) mapping 991.
radiation (u.v.)/carcinogens-treated, DNA biosynthesis inhibition sites 6285.
replicative form DNA, R-loops, characterization 3098.
replicative form DNA, replication in vivo 1635.
RNA biosynthesis, *Escherichia coli* termination factor rho/ribonuclease III, effects on 6000.
single-stranded DNA, digestion-sheep kidney nuclease 1147.
- Phage ϕ 6**,
capsids, associated RNA polymerase activity 6403.
double-stranded-RNA, denaturation 240, 1467.
RNA biosynthesis, infected *Pseudomonas phaseolicola* 891.
temperature-sensitive mutant, RNA biosynthesis/replication, characterization 907.
- Phage ϕ 9**,
DNA, 5'-terminus-associated proteins 2822.
- Phage ϕ 29**,
Bacillus subtilis, DNA, RNA polymerase binding sites/transcription mapping 3709.
DNA, restriction endonuclease cleavage mapping 6147.
replication, *Bacillus subtilis* DNA biosynthesis temperature-sensitive mutant 2694.
- Phage ϕ 80**,
transducing, RNA/tRNA genes mapping 4312.
- Phage ϕ 105**,
DNA, restriction endonuclease cleavage mapping 989, 990.
- Phage ϕ 105C**,
DNA, digestion-*Bacillus amyloliquefaciens* restriction endonuclease BamNx, recognition sequence determination 7327.
- Phage ATCC 11759**,
Mycobacterium smegmatis, DNA, physicochemical properties 4313.
- Phage BF23**,
deletion mutant, mapping 2609.
DNA, restriction endonuclease cleavage maps 6151.
DNA structure mapping 6152.
nonsense suppressor mutant, DNA, characterization 997.
tRNA genes, mapping 1592.
- Phage CP1**,
DNA, characterization 3101.
- Phage C5**,
effects on *Pseudomonas aeruginosa* radiation (u.v.)-induced DNA repair 7148.
- Phage DDDV1**,
Shigella sonnei, DNA methylase, guanine methylase, specificity/function 5169.
- Phage fd**,
complementary tridecanucleotides, synthesis 734.
DNA, fate-*Glycine max* nuclei 471.
DNA, gene II proteins cleavage sites, localization 4315.
DNA, nucleotide sequence 3102.
DNA, orientation, electron microscopy 3717.
DNA, promoters regions, polynucleotides, enzymatic-chemical synthesis 5820.
DNA, radiation (u.v.) cross-linking-gene 5 protein 6521.
DNA, stability mapping 6154.
DNA promoters regions, polynucleotides, synthesis 2356.
double-stranded DNA fragments, stability mapping 2071.
Escherichia coli restriction-modification systems recognition sites, nucleotide sequence 4941.
replicative form DNA, promoters function, bases substitution, gene regulation 6336.
replicative form DNA, transcription-*Escherichia coli* /*Caulobacter crescentus* RNA polymerase 6404.
- Phage f1**,
coat protein, integration-*Escherichia coli* membranes fractions 4568.
defective-interfering particles, DNA, nucleotide sequence analysis 4314.
DNA-unwinding protein, characterization 641.
genes, DNA nucleotide sequence 6153.
hybrids-plasmid pSC101, DNA insertion sequences characterization 5493.
insertion mutant, construction/restriction endonuclease EcoRI sensitivity 6355.
recombination-plasmid pSC101, isolation/characterization 5450.
replicative form DNA, isolation-circular DNA 3661.
replicative form DNA strands, DNA biosynthesis initiation 3793.
specific mRNA, characterization, infected *Escherichia coli* 4234.

- Phage F2**, double-stranded RNA, structure, c.d. 4161.
- Phage gh-1**, DNA transcription, infected *Pseudomonas putida* 6001.
- Phage G13**, DNA replication, *Escherichia coli* dna mutant 1641.
- Phage G4**, DNA, nucleotide sequence 2610.
- DNA, restriction endonuclease cleavage mapping, comparison-phage St-1/phage ϕ X174 996.
- DNA, restriction endonuclease mapping 998.
- DNA heteroduplex-phage ϕ X174, mapping, electron microscopy 4938.
- DNA replicative form, replication-*Escherichia coli* dna mutant 7107.
- genomes, comparison-phage ϕ X174, mapping, use-electron microscopy 4316.
- J gene regions, nucleotide sequence, comparison-phage ϕ X174 2072.
- Phage I3**, DNA injection, inhibition-Tween-80 4436.
- Phage J1**, DNA, interaction-lysine 4265.
- Phage I**, DNA, *Escherichia coli* transfection, polyethylene glycol, effects on 6353.
- Phage MS2**, A protein structure, use-mRNA analysis 1468.
- coat protein, biosynthesis rate, mRNA structure, effects on 6060.
- coat protein biosynthesis, tRNA Lys, codons recognition 5833.
- coat protein mRNA, nucleotide sequence, relationship-rRNA 16S 3'-terminus 1933.
- complementary DNA, synthesis, primers requirement 4070.
- complementary DNA containing plasmid pBR322, construction/characterization 7249.
- complementary DNA containing plasmid pBR322, insertion sequence I, identification 7250.
- genomes, analysis 2448.
- NA polymerase (RNA-dependent) cistrons RRNA fragments, role-initiation complex formation 4844.
- RNA, coding, relationship-codons-anticodons interaction 4226.
- RNA, interaction-ribosomal subunit 30S, inhibition-ribosomal subunit 50S 4117.
- rRNA, molecular weight, electron microscopy 1948.
- RNA, specific fragmentation 6932.
- RNA, structure, *Escherichia coli* ribosomal protein S1 binding, effects on 848.
- RNA, translation in vitro, role-initiation factor 3 4130.
- RNA, translation/infectivity, benzo(a)pyrene diolepoxide, effects on 4235.
- RNA fragments, ribonuclease T1 digestion/ketoxal modification 1469.
- RNA polymerase (RNA-dependent) cistrons, nuclease S1 digestion fragments, characterization 4772.
- Phage Mu**, development, role-integration 1123.
- DNA, attachment sites, nucleotide sequence 7035.
- DNA, immunity regions, cloning/characterization 7257.
- DNA, insertion sites, characterization 3103.
- DNA, integration-*Klebsiella pneumoniae* nitrogen fixation genes, induced mutants 2162.
- DNA, S gene/U gene mapping 3718.
- DNA, 5'-terminus/3'-terminus, nucleotide sequence 2611.
- DNA fragments, containing, plasmids, characterization 4440.
- DNA ligase activity, *Escherichia coli* mutants 5165.
- DNA transposition/replication, molecular models 5054.
- induced DNA modification, requirements, *Escherichia coli* 2145.
- insertion sequence 1/chloramphenicol antibiotic resistance-containing, DNA, electron microscopy 1586.
- integration-*Escherichia coli*, mutagenesis, nalidixic acid, effects of 2764.
- integration-*Escherichia coli* chromosomes, mechanisms 6356.
- repressors, interaction-DNA 5242.
- role-bacteria genes transposition, review 2893.
- stimulation-deletions, *Escherichia coli* chromosomes 1693.
- Phage M13**, amber mutant, DNA, nucleotide sequence 7034.
- cloned miniphages, structure/replication 1587.
- cloning-*Salmonella typhimurium* histidine operon DNA 7276.
- DNA, localization-capsid protein mRNA initiation/termination sites 379.
- DNA, sequence determination 6156.
- DNA, transcription, localization-promoters 2073.
- DNA, transposons insertion 2752.
- gene III/gene VI/gene I, nucleotide sequence 6155.
- gene VII, nucleotide sequence 2612.
- gene 5 protein, interaction-oligonucleotides, n.m.r./chemically induced dynamic nuclear polarization 2364.
- infected *Escherichia coli*, DNA replication, DNA-unwinding protein, effects on 5538.
- replication-*Escherichia coli*, DNA polymerase I-associated exonuclease defective mutant 3142.
- RNA biosynthesis/protein biosynthesis, *Escherichia coli* minicells 2494.
- single-stranded DNA, *Escherichia coli* RNA polymerase binding sites, characterization 999.
- Phage N4**, infected, *Escherichia coli* RNA polymerase, detection/characterization 6412.
- infected-*Escherichia coli*, RNA polymerase, association-cytoplasmic membranes 6413.
- RNA polymerase, characterization/purification 1179.
- Phage PBS2**, *Bacillus subtilis*, DNA polymerase/associated exonuclease, characterization 4501.
- induced DNA polymerase, relationship-*Bacillus subtilis* DNA polymerase III 3264.
- Phage PG24**, genes transfer, *Streptococcus pneumoniae* 3860.
- Phage PM2**, circular DNA, binding-sibromycin, effects on density 4339.
- closed circular DNA, interaction-hedamycin 6101.
- DNA, cleavage-nuclease S1 489.
- DNA, closed/nicked, helix-coil transitions 2613.
- DNA, cross-linking-bleomycin 6964.
- DNA, damage, induction-bleomycin, mechanisms 4267.
- DNA, purification-histone H1 chromatography (affinity) 6948.
- DNA, uptake/transport during *Streptococcus pneumoniae* transformation 6357.
- methyl methanesulphonate-treated DNA, normal/xeroderma pigmentosum fibroblasts, endonuclease activity 5612.
- superhelical DNA, digestion-phosphodiesterase 1144.
- Phage PP7**, RNA, *Pseudomonas aeruginosa* ribosomes binding sites, nucleotide sequence/identification-coat protein cistrons 4773.
- Phage P1**, DNA, cloned fragments, isolation/characterization 4449.

Phage P1,(continued)

DNA, fragments, cloning-phage λ vectors, characterization 7036.

DNA, kanamycin resistance determinants, mapping 7038.
genomes DNA, restriction endonuclease analysis,
comparison-phage P7 7037.

restriction endonuclease, SV40 DNA, cleavage/methylation sites 4482.

virions, DNA analysis 5494.

Phage P2,

DNA, restriction endonuclease cleavage mapping 4942, 4943.
DNA packaging 6149.

interference-phage λ , role-old gene 477.

Phage P4,

+ phage P2, transcription, control-capsids size 3605.
chromosomes, RNA polymerase binding sites distribution 6518.

DNA replicative intermediates, size distribution 6158.

Phage P7,

genomes DNA, restriction endonuclease analysis,
comparison-phage P1 7037.

Phage P22,

coat protein/scaffolding protein, biosynthesis, regulation 1886.

DNA, encapsulation in vitro 6531.

DNA, restriction endonuclease cleavage mapping 6157.

DNA, structure, models 4317.

DNA replication/maturation, *Salmonella typhimurium*
temperature-sensitive mutant 5539.

infection-*Salmonella typhimurium*, spermidine, effects on,
DNA biosynthesis inhibition 1642.

transduction particles, infection-*Salmonella typhimurium*
DNA-defective mutant, DNA biosynthesis control 5543.

Phage Q β ,

coat protein cistrons, RNA, nucleotide sequence analysis 2450.

coat proteins, protein biosynthesis, control mechanisms,
infected *Escherichia coli* 4701.

DNA-containing plasmids, formation-phage Q β , *Escherichia coli* 1124.

read-through protein, biosynthesis-*Escherichia coli* cell-free
system, magnesium, effects on 6701.

RNA, binding-*Escherichia coli* ribosomes, tRNA
(formylmethionyl), effects on 5907.

RNA, binding-ribosomes, initiation complex formation,
inhibition-oligonucleotides complementary-*Escherichia coli*
rRNA 16S 3'-terminus 4131.

RNA, isolation methodology, nucleotide sequence analysis 2451.

rRNA, molecular weight, electron microscopy 1948.

RNA, nucleotides analogues insertion, mutagenesis, sites
specificity 5080.

RNA, ribonuclease T1 oligonucleotides, nucleotide sequence/
localization 2449.

RNA polymerase (RNA-dependent), role-RNA replication,
mechanisms 5401.

RNA polymerase (RNA-dependent), templates specificity 4494.

variants, RNA, structure/templates activity, radiation (u.v.),
effects on 4769.

Phage RB69,

infected *Escherichia coli*, tRNA characterization 1874.

Phage R4,

restriction-restriction endonuclease SalPI, *Streptomyces albus* 2782.

Phage R17,

RNA, specific fragmentation 6932.

Phage SD,

DNA, electron microscopy 6159.

DNA, interaction-sodium bisulphite 365.

Phage Sd,

DNA, mapping 4944.

DNA, mutations, induction-O-methylhydroxylamine,
mechanisms 6111.

Phage SH3,

DNA, physicochemical properties 7039.

Phage SH10,

DNA, physicochemical properties 7039.

Phage SH11,

DNA, physicochemical properties 7039.

Phage SH12,

DNA, physicochemical properties 7039.

Phage SP,

RNA polymerase (RNA-dependent), infected *Escherichia coli*,
characterization 2792.

RNA polymerase (RNA-dependent), templates specificity 4494.

Phage SPO1,

Bacillus subtilis, DNA, restriction endonuclease mapping 6160.

DNA-binding protein, effects on promoters competition 4559.
modified *Escherichia coli* / *Bacillus subtilis* RNA
polymerase, transcription selectivity 5620.

Phage SPP1,

Bacillus subtilis, DNA, mapping/localization-replication
origins 1588.

Bacillus subtilis, DNA, restriction endonuclease fragments
arrangement 4957.

Bacillus subtilis, DNA structure 4945.

Bacillus subtilis, transduction 2154.

DNA biosynthesis, analysis 4381.

replication, *Bacillus subtilis* DNA biosynthesis temperature-
sensitive mutant 2694.

transcription, DNA restriction endonuclease cleavage
mapping 5495.

Phage SP15,

Bacillus subtilis, dTMP-enriched DNA, production/
expression 1643.

Phage SP82,

DNA, transcription-*Bacillus subtilis* RNA polymerase,
sodium chloride, effects on 3606.

Phage St-1,

DNA, restriction endonuclease cleavage mapping,
comparison-phage ϕ X174/phage G4 996.

DNA, restriction endonuclease cleavage mapping 1001.

Phage S13,

DNA, *Escherichia coli* RNA polymerase binding sites,
localization 380.

DNA, localization-*Escherichia coli* RNA polymerase
binding sites, electron microscopy 2614.

promoters, radiation (u.v.) mapping 991.

Phage T-even,

infection, *Escherichia coli*, effects on DNA biosynthesis/
RNA biosynthesis/protein biosynthesis, review 6549.

Phage T1,

DNA, structure, radiation (γ)/radiation (u.v.), effects on 4907.

Phage T2,

dam mutant, DNA methyltransferase, methylation-phage λ
DNA in vitro 3604.

DNA, deoxynucleotide kinase genes, identification-
transcription strand 478.

DNA, glucosyl, fragmentation 327.

DNA, lithium salt/magnesium salt, structure, X-ray
diffraction 1602.

Phage T2,(continued)

DNA, melting temperature, single-stranded/double-stranded breaks, effects on 5496.

infected *Escherichia coli*, tRNA characterization 1874.

infected spleen, rats, induction-antibodies, lymphosarcoma 6899.

TMP synthetase, inhibition-folate analogues, comparison-*Escherichia coli* 7398.

Phage T3,

modification, *Escherichia coli*, prevention, role-ocr gene 5594.

Phage T4,

CB121 mutant, DNA polymerase, 1,10-phenanthroline, zinc chelator, effects on 2203.

cytosine containing DNA, restriction endonuclease mapping 6164.

cytosine-containing DNA, restriction endonuclease mapping 6167.

cytosine-substituted DNA, restriction endonuclease analysis 5497.

cytosine-substituted DNA, use-restriction endonuclease assays 7293.

deoxyribonuclease, substrate specificity 3889.

DNA, glucosyl, fragmentation 327.

DNA, radiation (u.v.), endonuclease V-sensitive cytosine (5'-hydroxymethyl) products 3075.

DNA apurinic sites, DNA repair-*Anacystis nidulans* cell-free system 2702.

DNA-binding protein, regulation-gene 32 mRNA translation 3981.

DNA-binding protein structure, DNA/polynucleotides, effects on 1286.

DNA biosynthesis, role-dCMP hydroxymethyltransferase 2095.

DNA-delay gene products, interaction-*Escherichia coli* DNA gyrase 3925.

DNA ligase, formation-triple-stranded DNA 1749.

DNA packaging mechanisms 1000.

DNA polymerase, errors recognition, mechanisms 4502.

DNA polymerase, interaction-Cibacron blue, comparison-*Escherichia coli* DNA polymerase I 6426.

DNA polymerase, mechanisms, theory 1196.

DNA polymerase, stimulation-gene 44/62/gene 45 proteins 532.

DNA polymerase mutants, recombination 4450.

DNA repair, radiation (u.v.)-induced damage 7129.

DNA transcription in vitro, initiation-dinucleotides 1499.

DNA-unwinding protein, crystallization/electron diffraction 1287.

DNA-unwinding protein, DNA binding properties 7457, 7458.

DNA-unwinding protein, DNA binding sites 642.

DNA-unwinding protein, interaction-DNA 3982.

DNA unwinding protein, interaction-DNA, kinetics 1288.

early gene expression, DNA restriction, effects on 7260.

endonuclease IV, use-nucleotide sequence determination, L cells satellite DNA 2092.

endonuclease V, sensitivity-SV40 DNA, radiation (u.v.), effects on 6286.

ethyl methanesulphonate treatment, DNA repair, recombination 7131.

gene expression, patterns 1500.

gene expression, role-RNA polymerase/termination factor rho 1501.

gene expression/replication, glucosylation/restriction, effects on 7259.

gene 32/gene 43/gene 44/gene 62 proteins, role-DNA

replication 6523.

gene 39/gene 52 products complex, purification/DNA-unwinding protein activity 7261.

gene 41/gene 45/gene 44/gene 62 proteins, purification/assays 6522.

gene 41 proteins, purification 7468.

gene 43/gene 44/gene 45/gene 62 proteins, purification 7467.

gene 44/62/gene 45 proteins-catalyzed ATP hydrolysis, DNA recognition sites 554.

gene 45/gene 44/gene 62, transcription/translation 4210.

heads, DNA packaging, 9-aminoacridine, effects on 3722.

heads, DNA packaging, role-gene 20 1590.

inactivation, DNA photosensitization-dyes 3062.

infected *Escherichia coli*, adenosinetriphosphatase, DNA unwinding protein, isolation/properties 5675.

infected *Escherichia coli*, DNA precursors, nucleoside monophosphates/nucleoside triphosphates, compartmentation 127.

infected *Escherichia coli*, tRNA characterization 1874.

infected *Escherichia coli*, RNA ligase, purification 6450.

infection, *Escherichia coli*, ribosomes, function, regulation 210.

N-methyl-N'-nitro-N-nitrosoguanidine treatment, DNA repair, recombination 7130.

mot gene mutation, effects on RNA biosynthesis 3018.

mutants, *Escherichia coli*, transduction 7258.

mutation, gene 45/gene 62 regulation sites 4311.

nonsense mutant, DNA polymerase specificity 3909.

particles, DNA, electron microscopy 6162.

polynucleotide 5'-hydroxyl-kinase, purification/characterization 2211.

polynucleotide ligase, polymerization-oligo (dT), antibiotics, effects on 4670.

polynucleotide 5'-hydroxyl-kinase/polynucleotide 3'-phosphatase, role-gene expression 1219.

radiation (u.v.)-sensitive mutants, DNA repair 1653.

rII B gene mRNA, regions, nucleotide sequence 3534.

RNA biosynthesis cell-free system, construction/properties 3568.

tRNA genes isolation, tRNA biosynthesis in vitro 4264.

tRNA Gln, biosynthesis, role-*Escherichia coli* ribonuclease III 5131.

tRNA Ile, nucleotide sequence, comparison-mutants 6660.

RNA ligase, interaction-tRNA 3'-terminus/5'-terminus 1234.

RNA ligase, joining-*Escherichia coli* tRNA fMet

oligonucleotides fragments 1871.

RNA ligase, oligonucleotides addition-DNA 5'-terminus 3928.

RNA ligase, phosphorylation, use-polynucleotides 3'-terminus labelling 3440.

RNA ligase, purification, methodology 5647.

RNA ligase, purification/assays 5173.

RNA ligase, reaction mechanisms 2819.

RNA ligase, 3'-terminus labelling-high molecular weight RNA 3929.

tRNA precursors, conformation, use-nuclease S1 probes 2377.

temperature-anisive mutant, protein biosynthesis initiation codons 4741.

transcription/isolation-polycistronic tRNA operons products 1461.

uracil (5-bromo)-containing DNA, radiation (u.v.), effects on 6993.

very fast sedimenting DNA, formation-infected *Escherichia coli*, genes control 4389.

Phage T5,

deoxyuridinetriphosphatase-induction deficient mutants,

Phage T5,(continued)

uracil-containing DNA biosynthesis, *Escherichia coli* 7384.
 DNA, restriction endonuclease analysis 3104.
 DNA, restriction endonuclease cleavage sites, mapping 1589.
 DNA, tRNA Arg genes-containing fragments, isolation 954.
 D5 gene products, DNA-binding protein, characterization 2873.
 genome, promoters, mapping, electron microscopy 2616.
 interruption-deficient mutant, DNA, characterization 3720.
 mutants, DNA, restriction endonuclease EcoRI cleavage sites mapping 6163.
Phage T6,
 infected *Escherichia coli*, tRNA characterization 1874.
Phage T7,
 alkylated DNA, poly (I)-poly (C) complexes, effects on 740.
 C promoter, DNA nucleotide sequence 3719.
 DNA, alkylation 361.
 DNA, differential methylation-*Escherichia coli* mutants 7393.
 DNA, double-stranded breakage/cross-linking-proteins, induction-radiation (ionizing) 4905.
 DNA, encapsulation-phospholipids vesicles 5582.
 DNA, interaction-*Escherichia coli* RNA polymerase 336.
 DNA, interaction-polyamines 335.
 DNA, methylmercury-induced sedimentation heterogeneity 7041.
 DNA, modified nucleotides-containing, transcription-phage T7 specific RNA polymerase 519.
 DNA, promoter (A2)/5'-terminus nucleotide sequence 381.
 DNA, promoters regions, nucleotide sequence 2615.
 DNA, promoters sites, mapping 2632.
 DNA, promoters/terminators sites, utilization-bacterial RNA polymerase 5623.
 DNA, radiation (u.v.)-treated, *Saccharomyces cerevisiae* endonuclease *a* activity 2767.
 DNA, recombination frequency 1125.
 DNA, replication origin, localization 6166.
 DNA, replication/transcription, role-*Escherichia coli* DNA gyrase 3926.
 DNA, spermidine-induced condensation, electron microscopy 382.
 DNA, structure, models 4317.
 DNA, 5'-terminus/3'-terminus, nucleotide sequence 2617.
 DNA condensation, cations, effects on 6168.
 early promoters, nucleotide sequence 4948.
 exonuclease, ribonuclease H activity 1703.
 gene 0-3 expression, translation control 1978.
 gene 1 DNA, nucleotide sequence 7040.
 genes DNA, modification-alkylated RNA 6094.
 induced, RNA polymerase, complex formation-oligonucleotides 5619.
 infected *Escherichia coli* mutants, DNA packaging 6161.
 late mRNA, fractionation/translation 234.
 markers, rescue 3208.
 modification, *Escherichia coli*, prevention, role-ocr gene 5594.
 promoters, RNA chains initiation-*Escherichia coli* RNA polymerase, kinetics 6851.
 promoters, unwinding-*Escherichia coli* RNA polymerase 7329.
 promoters recognition/initiation sites, DNA sequence 6165.
 radiation (u.v.) + hydrogen peroxide-induced DNA proteins cross-linking 7466.
 recombination, role-gene 5/gene 3 products 3721.
 RNA biosynthesis/degradation, rates 2483.
 RNA polymerase, binding-promoters 5624.
 RNA polymerase promoters, nucleotide sequence 4947.

thermodynamic properties 1298.

Phage 107,

DNA, transfection, bacteria, freeze-thawing, effects on 4444.

Phage 186,

DNA, gene mapping 6150.

DNA, restriction endonuclease cleavage mapping 4942.

Phage 2C,

DNA, duplication/recombination, antibiotics, effects on 7106.

DNA strands, replication mechanisms, *Bacillus subtilis* 5021.

Phage 434,

DNA, cII gene-cro gene regions, nucleotide sequence 3716.

DNA fragments, nucleotide sequence 1585.

O₁ operator regions, characterization 310.

Phage 82,

galactose operon, escape synthesis 2693.

Phages,

Bacillus licheniformis / *Bacillus thuringiensis*, DNA, degradation-restriction endonuclease EcoRI 485.

Bacillus licheniformis, DNA, characterization 5491.

ColE1 hybrids, construction, use-DNA vectors 3855.

DNA, isolation, methodology 325.

DNA, nucleotides analogues determination, methodology 6146.

DNA, *Pseudomonas aeruginosa* transformation 5082.

DNA, reaction-bisulphite 4021.

DNA, renaturation kinetics 1606.

DNA packaging 988.

double-stranded DNA, heads morphogenesis, review 2291.

genomes, promoters, identification/localization, review 5717.

phage sensitivity, *Rhizobium meliloti*, role-plasmids 1695.

radiation (u.v.)-treated, DNA repair, excision, *Bacillus subtilis* 3809.

RNA, replication, rifamycin, effects on 1506.

RNA, replication control 1507.

RNA-containing, coat protein mutants, regulation-RNA biosynthesis 4188.

RNA 3'-terminus, homology 6774.

single-stranded DNA, use-recombination, review 661.

Phagocytosis,

bactericidal activity, determination-DNA release,

Escherichia coli / *Salmonella typhimurium* 3197.

Phaseolus aureus,

embryos axis, RNA biosynthesis, salts/water stress, effects on 2523.

genomes DNA, comparison-*Phaseolus vulgaris* / *Brassica oleracea* / *Brassica nigra* 7103.

ribonuclease/deoxyribonuclease, activity, salinity, effects on 3883.

Phaseolus vulgaris,

chloroplasts/cytoplasm/mitochondria, tRNA Phe, characterization/aminoacylation 2938.

cytoplasm/chloroplasts/mitochondria, tRNA Val methylation 2386.

enzymes, methylation-tRNA Phe, yeasts 4081.

genomes DNA, comparison-*Phaseolus aureus* / *Brassica oleracea* / *Brassica nigra* 7103.

leaves, RNA/DNA content, adenine (benzyl), effects on 841.

RNA, translation-wheat germ cell-free system, chloroplasts ferredoxin biosynthesis 942.

1,10-Phenanthroline,

selective inhibition-DNA polymerase I 5635.

zinc chelator, effects on DNA polymerase, phage T4 CB121 mutant 2203.

o-Phenanthroline,

effects on DNA polymerase (RNA-dependent)-associated ribonuclease H activity, oncornavirus 7320.

- Phenobarbitone**, stimulation-protein biosynthesis, liver, rats, diabetes 2399.
- Phenosafuranine**, interaction-DNA, base composition, effects on 4889.
- Phenoxyacids**, inhibition-DNA biosynthesis, testis, mice, relationship-carcinogenesis 7157.
- 1,4-Phenyl-diglyoxal**, crosslinking-rRNA 5S, *Escherichia coli* 1466.
- Phenylalanine ammonia-lyase**, induction-*Pisum sativum* uridine (5-bromodeoxy)-substituted DNA 6609.
- mRNA, induction-radiation (u.v.), *Petroselinum hortense* 3626.
- Phenylalanine 4-Monooxygenase**, activity, liver, rats, role-pyrimidine (2,4,5-triamino-6-hydroxy) 6578.
- β -Phenylethylamine**, effects on polyribosomes, rats 4735.
- Phenylmercuric borate**, inhibition-protein biosynthesis/RNA biosynthesis/DNA biosynthesis, *Escherichia coli* 2722.
- Phenylmethylsulphonyl fluoride**, effects on DNA repair, nitrogen mustard induced DNA-proteins cross-linking, fibroblasts, Chinese hamsters 3821.
- Pheochromocytoma**, cells, rats, protein biosynthesis, nerve growth factor/AMP (cyclic) analogues, effects on, comparison 6710.
- Pheromones**, *Apis mellifera*, inhibition-*Escherichia coli* tRNA methyltransferase 5838.
- Pholiota mutabilis**, monophenol monooxygenase mRNA, characterization 1951.
- Phosgene**, interaction-uridine (6-aza) 85.
- 5'-Phosphate-polyribonucleotide kinase**, vaccinia virus, isolation/reaction mechanisms 1210.
- Phosphates**, deficiency, *Spirodelia*, RNA/AMP, effects on 6056.
- Phosphatidylserine**, tRNA, *Bacillus licheniformis*, isolation 5822.
- Phosphodiesterase**, digestion-phase PM2 superhelical DNA 1144.
- immobilized, gurza poison, isolation/characterization 7395.
- venom, snakes, cleavage-phase ϕ X174 DNA 2778.
- Phosphodiesterase I**, intestine, cattle, purification/action mechanisms 570.
- Phosphoenolpyruvate carboxykinase (GTP)**, mRNA biosynthesis, liver, rats, association-development 266.
- mRNA, purification/characterization, liver, rats 1956.
- Phosphoenolpyruvate-protein phosphotransferase**, role-regulation-catabolic genes transcription, *Escherichia coli* 2487.
- Phosphoglycerate kinase**, mRNA, *Saccharomyces cerevisiae*, isolation/identification 1929.
- Phospholipids**, effects on DNA biosynthesis/RNA biosynthesis/histones stability 3951.
- Phosphonoacetic acid**, effects on DNA replication, adeno-associated virus 4384.
- inhibition-DNA polymerase α /DNA polymerase β /DNA polymerase γ /DNA polymerase (RNA-dependent), L1210 cells 2798.
- Phosphonoformate**, inhibition-visna virus replication/DNA polymerase (RNA-dependent), choroid plexus cells, sheep 7122.
- Phosphoprotein phosphatase**, activators, characterization, dephosphorylation-histones 2238.
- Phosphoramidate**, dinucleoside phosphates analogues, synthesis 5798.
- Phosphotungstic acid**, use-DNA/RNA electron microscopy 1542.
- Photoreactivation**, effects on radiation (u.v.)-induced damage, *Paramecium tetraurelia* DNA 5040.
- RNA, radiation (u.v.)-treated *Smittia* eggs 850.
- Phractolaemus ansorgei**, DNA content 4871.
- Physarum polycephalum**, analysis-poly (A) containing RNA 5366.
- chromatin, cell cycle-specific association-nuclear envelope components 7436.
- chromatin, DNA repeated length 2856.
- cytoplasm, RNA, poly (A) degradation 944.
- DNA, analysis-radiation (u.v.) photolysis products, replication 1063.
- DNA, inverted repeat sequence distribution 6215.
- DNA-binding protein, phosphorylation during cell cycle 7461.
- DNA polymerase activity 1734.
- DNA replication, electron microscopy/autoradiography 4378.
- nonhistone proteins phosphorylation, stimulation-polyamines 2846.
- nucleosides metabolism, radiation (γ), effects on 6624.
- phosphorylated nonhistone proteins, purification/role-rRNA gene transcription 7427.
- phosphorylation-ribosomal proteins 4719.
- plasmodia, DNA replication, heat shock, effects on 7193.
- polyribosomes, ribosomal subunits proteins composition 6719.
- mRNA, identification 5971.
- rRNA gene, base composition 1040.
- rRNA gene, rRNA 26S, insertion, localization 5510.
- rRNA gene, sequence arrangement 4349.
- rRNA gene containing chromosomes, isolation 5674.
- rRNA gene content 318.
- rRNA gene organization 4979.
- RNA polymerase II, purification, association-actin 4488.
- rRNA 19S/rRNA 26S genes containing chromatin, structure 3762.
- rRNA gene degradation-deoxyribonuclease I 2186.
- S phase/G2 phase, DNA biosynthesis, size distribution/maturation 2683.
- satellite DNA, rRNA gene, characterization 6214.
- thymidine kinase activity, growth temperature, effects on 6442.
- Phytochromes**, effects on polyribosomes loss, *Sinapis alba* hypocotyls 1917.
- Phytohaemagglutinin**, effects on RNA biosynthesis, lymphoid tissue, mice, following radiation treatment 6839.
- induced DNA biosynthesis, spleen cells, rats, inflammation exudates, effects on 5062.
- stimulated human lymphocytes, poly (A)-containing mRNA, degradation phytohaemagglutinin 6055.
- Phytohormones**, interaction-DNA, chirality/stereochemistry 1575.

- Phytomonas davidi***,
kinetoplasts, DNA/RNA_A isolation/characterization 329.
- Phytophthora megasperma***,
infection, *Glycine max* hypocotyls, actinomycin D/
blastidin S mediated resistance, role-mRNA biosynthesis/
protein biosynthesis 279.
- Pichinde virus**,
RNA polymerase (RNA-dependent)/polynucleotide
adenylyltransferase/polynucleotide uridylyltransferase,
characterization 4493.
- Picornavirus**,
genome RNA, 3'terminus, nucleotide sequence 2457.
- Pinus pinea***,
seeds, RNA biosynthesis/DNA biosynthesis, indoleacetic
acid/gibberellin acid/kinetin/steroid hormones, effects on
1986.
- Pinus silvestris***,
pollen, RNA biosynthesis/ribosomes content, radiation (X)/
radiation (u.v.), effects on 6843.
- Pinus thunbergii***,
seeds, ribosomes dissociation 6739.
- Piperazines**,
inhibition-*Clostridium perfringens* DNA biosynthesis 1668.
- Pisaster ochraceus***,
genomes DNA, sequence organization 5518.
- Pisatin**,
induction-*Pisum sativum* uridine (5-bromodeoxy)-substituted
DNA 6609.
- Pisum***,
cotyledons, nonhistone proteins, transcription inhibition
factors, characterization 608.
epicotyls, DNA reassociation, wounds, effects on 2677.
epicotyls, RNA biosynthesis, 2,4 dichlorophenoxyacetic
acid, effects on 2508.
seeds, ribonuclease activity development, during germination
5126.
seeds, RNA polyadenylation during germination 3627.
- Pisum sativum***,
chloroplasts DNA, cloning, *Escherichia coli* plasmids 1122.
chromatin-bound DNA polymerase, purification/
characterization 3914.
cotyledons, chromatin-associated RNA polymerase, activity
3251.
DNA, kinetics complexity 3138.
genome DNA, size 1058.
nonhistone proteins, inhibition-*Escherichia coli* RNA
biosynthesis 2514.
red clover mottle virus replication, ribavirin, effects on 6601.
RNA polymerase I/RNA polymerase II activity, light, effects
on 7346.
seeds, isolation-polyribosomes, translation-wheat germ cell-
free system, characterization-products 4739.
thylakoid membranes-bound ribosomes, activity 1446.
uridine (5-bromodeoxy)-substituted DNA, induction-
phenylalanine ammonia-lyase/pisatin 6609.
- Pituitary**,
cell culture, sheep, prolactin biosynthesis/preprolactin
mRNA activity, 17 β -oestradiol, effects on 5863.
cells, rats, gene expression, regulation-glucocorticoids 277.
rats, growth hormone mRNA, induction-thyroid hormone
2507.
sheep, prolactin/growth hormone biosynthesis/mRNA
translation, oestrogen, effects on 5862.
- Pituitary tumours**,
mice, thyrotropin α -subunit/ β -subunit mRNA 9S, separation/
identification 6928.
- Placenta**,
human, DNA polymerase (RNA-dependent),
characterization 2805.
- Plants**,
see also **various species**
chloroplasts, circular DNA, electron microscopy 3136.
chromosomes, DNA pools, review 4015.
DNA, *Agrobacterium tumefaciens* deoxyribonuclease I/
restriction endonuclease/DNA-unwinding protein, effects on
1169.
DNA, cytosine (5-methyl) distribution 414.
DNA base composition 1057.
DNA base composition, trifluoromethylphenyldimethylurea,
effects on 4916.
metabolism, genetic engineering 3219.
mutagens-damaged, DNA repair, review 3359.
nonhistone proteins, isolation/characterization 1771.
nucleotides purification, methodology 2921.
protoplasts, DNA uptake 473.
mRNA, translation, caps analogues, effects on 3636.
tRNA/tRNA (aminoacyl) synthetase structure 5831.
tannin-containing, DNA, isolation 332.
tissues, nucleotide pyrophosphatase localization,
methodology 1209.
- Plasma**,
stimulation-3T3 cells, effects on DNA biosynthesis/RNA
biosynthesis 4432.
- Plasma membranes**,
liver, rats, activation-actin deoxyribonuclease I complex, role-
5'-nucleotidase 5644.
- Plasmacytoma**,
associated immunosuppression, role-RNA 1239.
cells, immunoglobulins heavy chains mRNA precursors,
nucleotide sequence specificity 6810.
cells, mice, radiation (u.v.)/acids/osmium tetroxide-damaged
DNA, endonuclease activity, characterization 510.
mice, immunoglobulins light chains mRNA, precursors
patterns, comparison 6929.
mice, poly (I.C)/poly (I)/poly (C), growth 5314.
mice, tRNA (aminoacyl), chromatography 5830.
- Plasmids**,
Agrobacterium tumefaciens /*Agrobacterium radiobacter* ,
characterization 4865.
antibiotic resistance, tetracycline, *Bacteroides fragilis* ,
expression/conjugation mechanisms 6348.
antibiotic resistance, transformation-*Bacillus subtilis* ,
characterization/kinetics 4456.
Bacillus megaterium , DNA, restriction endonuclease
cleavage mapping 4302.
Bacillus thuringiensis , characterization 7240.
Bacillus thuringiensis /*Bacillus popilliae* , isolation/
characterization 7241.
bacteria, insertion-synthetic human globin genes 1700.
Brevibacterium lactofermentum , isolation/characterization
7025.
carrying, phage λ , use-cloning vectors 5083.
chimaeras, transformation-yeasts 6350.
circular DNA, isolation, methodology 1554.
Clo DF13, replication origin/direction 4372.
clones, expression-*Escherichia coli* ribosomal proteins/RNA
polymerase genes 7273.
cloning/expression-*Escherichia coli* uvr gene 6855.
cloning vectors construction 2751.
Clostridium botulinum , isolation/characterization 983.
cohesive-end site-containing, genes cloning vectors 475.
Col E1, DNA, binding-chloroquine/quinacrine, comparison
4282.

Plasmids,(continued)

- Col E1, DNA replication, *Escherichia coli* lig-ts 7 mutant 1068.
- ColE1, cloning vectors, characterization 4441.
- ColE1, conjugation, mobility/relaxation, complex 1685.
- ColE1, DNA, replication origin/termination regions, association-*Escherichia coli* minicells membranes 4561.
- ColE1, DNA, transcription initiation/termination sites, characterization 6140.
- ColE1, DNA, transformation-*Escherichia coli*, methodology 5076.
- ColE1, DNA breakage-mutagens/pesticides 4280.
- ColE1, *Escherichia coli*, DNA insertion, effects on colicin immunity 3202.
- ColE1, *Escherichia coli*, DNA isolation/physical properties 984.
- ColE1, *Escherichia coli*, ribosomal proteins/RNA polymerase gene amplification, effects on transcription/translation 7238.
- ColE1, *Escherichia coli* biotin gene-containing, isolation/characterization 3090.
- ColE1, hybrids, *Escherichia coli* *tufB* gene-containing, construction/characterization 7246.
- ColE1, hybrids, radiation (u.v.) induced damage, DNA repair 5027.
- ColE1, kanamycin transposons insertion sites, nucleotide sequence 3704.
- ColE1, mutants, isolation/characterization, *Escherichia coli* 2149.
- ColE1, phages hybrids, construction, use-DNA vectors 3855.
- ColE1, restriction/relaxation sites, nucleotide sequence 985.
- ColE1, *rpo* gene, location/expression 7237.
- ColE1, *Saccharomyces cerevisiae*, arg gene containing, transformation-*Saccharomyces cerevisiae* arg mutant 7247.
- ColE1, structure/replication, review 4016.
- ColE1, superhelical DNA, psoralen + light induced cross-linking/relaxation 3669.
- ColE1, types, DNA, containing, phage λ imm21 hybrids, immunity 6351.
- ColE1 derivatives, nucleotide sequence 5486.
- ColE1/R factor R100-1/R factor RTF-TC/plasmid SC101, replication, *Escherichia coli* dnaA mutant 7188.
- ColIb, DNA, restriction endonuclease analysis 7019.
- ColV, derivatives, cloned fragments, *Escherichia coli* virulence, effects on 6334.
- corticotropin/ β -lipotropin precursors nucleotide sequence-containing, construction 3854.
- DNA, *Agrobacterium tumefaciens* deoxyribonuclease I/ restriction endonuclease/DNA-unwinding protein, effects on 1169.
- DNA, *Arthrobacter crystallopoietes*, characterization 4928.
- DNA, *Bacillus thuringiensis*, purification/properties 4929.
- DNA, *Citrobacter intermedius*, role-glutamic acid excretion 7223.
- DNA, *Clostridium perfringens*, characterization 4337.
- DNA, detection-*Bacillus subtilis* /*Escherichia coli* / *Pseudomonas aeruginosa* / *Pseudomonas pseudoalcaligenes* / *Neisseria gonorrhoeae*, methodology 2016.
- DNA, detection-*Streptococcus pneumoniae* 4864.
- DNA, differential methylation-*Escherichia coli* mutants 7393.
- DNA, effects on phenotyping 3688.
- DNA, histones-bound, *Saccharomyces cerevisiae*, isolation/characterization 6933.
- DNA, isolation, methodology 325, 5449.
- DNA, isolation-*Bacillus thuringiensis* / *Bacillus cereus* 4879.
- DNA, isolation-*Streptococcus mutans* 6946.
- DNA, isolation-*Streptomyces olivaceus* 953.
- DNA, occurrence-*Pseudomonas phaseolicola* 4256.
- DNA, *Psuedomonas aeruginosa* transformation 5082.
- DNA, purification, methodology 4150.
- DNA, purification, use-chromatography 6091.
- DNA, recombination intermediates, *Saccharomyces cerevisiae*, occurrence during meiosis 7074.
- DNA, *Rhodospirillum rubrum* capsulata, characterization 6139.
- DNA, *Streptococcus cremoris*, isolation/characterization 3702.
- DNA, *Streptococcus lactis*, characterization, relationship-citrate metabolism 4863.
- DNA, *Synechococcus* / *Synechocystis* strains, detection/homology 7081.
- DNA, transformation-*Bacillus subtilis* protoplasts 5589.
- DNA, transformation-*Escherichia coli*, stage-growth 6345.
- DNA, transformation-*Streptomyces* 474.
- DNA, transposon Tn3 integration sites, nucleotide sequence 4930.
- erythromycin, antibiotic resistance, *Staphylococcus aureus* / *Streptococcus sanguis* / *Streptococcus faecalis*, DNA sequence homology 7022.
- Escherichia coli*, copy numbers 1060.
- Escherichia coli*, DNA, liposomes immobilization, interaction-*Vigna sinensis* protoplasts 7028.
- Escherichia coli*, *Pisum sativum* chloroplasts DNA cloning 1122.
- Escherichia coli* amber suppressors tRNA genes, isolation/properties 5081.
- Escherichia coli* promoter-containing, synthesis/cloning 1116.
- Escherichia coli* *rrnB* cistron rRNA gene containing, isolation/restriction endonuclease mapping 5482.
- F' factors, *Escherichia coli*, DNA, restriction endonuclease EcoRI fragments, self-replication 7239.
- F' factors, *Escherichia coli*, structure, electron microscopy 2600.
- F' factors, *Escherichia coli*, transfer-*Psuedomonas fluorescens* 3214.
- F factors, *Escherichia coli*, DNA, restriction endonuclease mapping 1607.
- F factors, *Escherichia coli*, DNA linkage-chromosomes, role-RNA 4442.
- F factors, *Escherichia coli*, tra gene, DNA mapping 4304.
- F factors, insertion sequences, identification 3203.
- F factors derivatives, construction/properties 5084.
- F lac factor, *Escherichia coli*, segregation-DNA 1557.
- Fusarium oxysporum* / *Rhizoctonia solani*, identification 5110.
- genes expression-cell-free system, DNA gyrase inhibition, effects on 6848.
- glycosyltransferases genes carrying, selection 3852.
- glycosyltransferases rfa gene carrying, selection 3853.
- Haemophilus ducreyi*, characterization, mediated antibiotic resistance, ampicillin 4866.
- Halobacterium halobium*, DNA, characterization 7020.
- IncP plasmids, *Pseudomonas*, isolation/characterization 3660.
- IncW plasmids, sequence analysis 6145.
- killer, double-stranded RNA replication, *Saccharomyces cerevisiae*, requirement-spermine/spermidine 283.
- β -lactamase genes-containing, *Haemophilus influenzae*, characterization 4301.
- leu2 gene containing, use-isolation/characterization-*Saccharomyces cerevisiae* chromosomes DNA fragments 6951.
- mice tetrahydrofolate dehydrogenase genes-containing,

Plasmids,(continued)

- formation/expression, *Escherichia coli* 1694.
mobilization-chromosomes, bacteria, review 4008.
Mycobacterium avium-intracellulare, DNA, isolation 6947.
Neurospora crassa dehydroquinase genes carrying, cloning-
Escherichia coli, transcription/translation 5603.
P plasmids, *Rhizobium japonicum*, transfer 6368.
pairs, DNA, transformation-*Escherichia coli* 5588.
phage Mu DNA fragments-containing, characterization 4440.
phage Q β DNA-containing, formation-phage Q β ,
Escherichia coli 1124.
plasmid AP1, *Escherichia coli*, DNA, electron microscopy
5483.
plasmid M6, *Dictyostelium discoideum* DNA homologous-
actin mRNA-containing, structure 2070.
plasmid NR1, low molecular weight RNA, characterization
246.
plasmid NTP1, promoters sites, localization 4305.
plasmid pAC184/plasmid pCRA10, cloning-*Klebsiella*
pneumoniae nif gene 5102.
plasmid pBR313, cloning-*Escherichia coli* histidine operon
regulation regions 5100.
plasmid pBR313, depolymerization-*Hordeum* /*Nicotiana*
protoplasts, protection-poly-L-ornithine 7292.
plasmid pBR313/plasmid pBR322, tetracycline resistance
genes promoters, characterization 7027.
plasmid pBR322, ampicillin resistance genes, nucleotide
sequence, *Escherichia coli* 374.
plasmid pBR322, cloning-globins complementary DNA,
embryos, mice 7284.
plasmid pBR322, cloning-hepatitis B virus DNA fragments,
expression-i*Escherichia coli* 5597.
plasmid pBR322, derivatives, cloning vectors, construction/
characterization 2747.
plasmid pBR322, DNA, amplification-*Escherichia coli*,
cytidine/uridine, effects on 5085.
plasmid pBR322, DNA, liposomes-immobilized, transfer-
Escherichia coli 7248.
plasmid pBR322, DNA, transformation-*Escherichia coli*
1135.
plasmid pBR322, DNA, transformation-*Pseudomonas*
phaseolicola 7253.
plasmid pBR322, insertion- α -fetoprotein genes DNA,
clones identification 6342.
plasmid pBR322, integration-Zea mays endosperm double-
stranded DNA, zein clones isolation/characterization 6375.
plasmid pBR322, phage MS2 complementary DNA-
containing, construction/characterization 7249.
plasmid pBR322, phage MS2 complementary DNA-
containing, insertion sequence 1, identification 7250.
plasmid pBR322, polyoma virus DNA-containing,
construction/infectivity-fibroblasts, mice 7265.
plasmid pBR322, restriction endonuclease mapping 375.
plasmid pBR322 derivatives, cloning 5079.
plasmid pCR1, restriction endonuclease mapping/ovalbumin
genes insertion, analysis 6142.
plasmid pCR1/plasmid pCR11, characterization, electron
microscopy/restriction endonuclease mapping 7021.
plasmid pCR11, denaturation mapping 7026.
plasmid pC194/plasmid pC223/plasmid PUB112,
Staphylococcus aureus, DNA, characterization/
transformation efficiency 2601.
plasmid pGD10, *Bacteroides ohraceus*, characterization
1112.
plasmid pHV 400, *Bacillus subtilis*, replication regions,
labelling-DNA segments 4443.
plasmid pIP501, *Sktreptococcus*, physical properties/DNA
homology 2068.
plasmid pIP612, *Sktreptococcus*, physical properties/DNA
homology 2068.
plasmid pIP613, *Sktreptococcus*, physical properties/DNA
homology 2068.
plasmid pL258/plasmid pII147, *Staphylococcus aureus*,
mapping 4306.
plasmid pKB280, carrying, *Escherichia coli* minicells,
cloned DNA expression 3871.
plasmid pKM101/R factor R205, effects on DNA
polymerase I activity, i*Escherichia coli* 5634.
plasmid pLU121/plasmid pFR16017, *Haemophilus*
influenzae, DNA characterization/transfer 3096.
plasmid PMB9, cloning-lacI gene 1118.
plasmid pMB9, DNA immobilization-liposomes 6335.
plasmid pMB9, transformation, bacteria, freeze-thawing,
effects on 4444.
plasmid pMB9, transformation-*Saccharomyces cerevisiae*
3216.
plasmid pMB9, use-*Saccharomyces cerevisiae* mitochondria
DNA restriction endonuclease fragments cloning,
Escherichia coli 5605.
plasmid pMB9 DNA, restriction endonuclease EcoRI
cleavage mechanisms 5138.
plasmid pMCR115, construction, phage λ *Escherichia coli*
chromosomes replication origin carrying 3205.
plasmid pMC391, transposon Tn3 translocation, repressors
genes identification/characterization 7251.
plasmid pMG7, *Pseudomonas aeruginosa*, restriction
endonuclease, isolation/characterization 7324.
plasmid pML31, mutants, DNA replication, temperature
effects 5567.
plasmid pMY3, relaxation-*Escherichia coli* RNA
biosynthesis 4829.
plasmid pMB9 derivatives, *Escherichia coli*, cloning-
Saccharomyces cerevisiae 5112.
plasmid pRD1, DNA, spontaneous degradation, role-recA
gene 4931.
plasmid pRZ2, DNA, restriction endonuclease fragments,
chromatography (column) 6141.
plasmid pRZ2, DNA, restriction endonuclease fragments,
fractionation 6144.
plasmid pSC101, DNA replication, *Escherichia coli*, dna
gene mutation, effects on 4412.
plasmid pSC101, hybrids-phage f1, DNA insertion sequences
characterization 5493.
plasmid pSC101, recombination-phage f1, isolation/
characterization 5450.
plasmid pSC101/plasmid pMB9, restriction endonuclease
mapping, tetracycline resistance 3097.
plasmid pTP-2, *Staphylococcus aureus*, DNA,
transformation-*Bacillus subtilis* 3204.
plasmid pVH51, replication, electron microscopy 5010.
plasmid P15, restriction endonuclease reaction mechanisms
530.
plasmid RSF2124, *Escherichia coli* deo operon genes
cloning 1121.
plasmid R6-5/plasmid R6, DNA restriction endonuclease
fragments, cloning/characterization 982.
plasmid ScpI, *Saccharomyces cerevisiae*, transcription/
translation products, mapping 4771.
plasmid Ti, *Agrobacterium tumefaciens*, DNA, transfer/
expression-plants 7252.
plasmids pRZ2, DNA, restriction endonuclease fragments,
chromatography (column) elution 6143.
R factor NR1, DNA, transcription-*Proteus mirabilis* 6849.
R factor NR1, DNA replication, *Escherichia coli*,

Plasmids,(continued)

- chloramphenicol/rifampicin, effects on 3808.
- R factor NR1/F' lac factor, DNA replication, *Escherichia coli* initiation temperature-sensitive mutant 4413.
- R factor NR1 mutants, cloned DNA, analysis 3093.
- R factor NR1/R factor NR84/R factor R6, mapping-restriction endonuclease Sall 4307.
- R factor R ϕ 6P, *Rhodopseudomonas sphaeroides*, prophages properties 2069.
- R factor RK2 derivatives, replication 5012.
- R factor RP1, lactose lactose transposon integration sites 5592.
- R factor RP1, transformation-*Pseudomonas aeruginosa* / *Escherichia coli* 5087.
- R factor RP1, transposons insertion sites 3857.
- R factor RP4, *Escherichia coli*, transfer-*Agrobacterium tumefaciens* 2151.
- R factor RP4, insertion-*Escherichia coli* chromosomes DNA 4445.
- R factor RP4, *Rhizobium meliloti*, characterization 7254.
- R factor RP4, use-*Rhizobium meliloti* gene mapping 5117.
- R factor RSc11, in vitro replication 5011.
- R factor RSF 1030, DNA replication, origin/direction 3706.
- R factor RSF1010, DNA, transformation-*Pseudomonas phaseolicola* 7253.
- R factor RSF 1030, *Escherichia coli*, DNA replication systems, characterization 7187.
- R factor RSF2124 + plasmid pLS11, restriction endonuclease analysis/electron microscopy 3705.
- R factor RSF2124, hybrids-phage λ , integration-*Escherichia coli* chromosomes 5591.
- R factor R1drd-19, restriction endonuclease mapping 3092.
- R factor R1drd-19, temperature-sensitive mutant, replication-infected hosts 2148.
- R factor R1drd19, replication origin, DNA fragments, nucleotide sequence 5490.
- R factor R100, carrying, phage λ , properties 3856.
- R factor R100, DNA, replication origin regions, nucleotide sequence 5489.
- R factor R100-1, transduction derivatives, transduction termini distribution 4932.
- R factor R46, *Escherichia coli*, curing-hydroxyurea/cytosine arabinoside 2916.
- R factor R46/plasmid pKM101, effects on recombination, *Escherichia coli* K12 / *Salmonella typhimurium* 3206.
- R factor R538-1, *Escherichia coli*, DNA, transcription/translation 6850.
- R factor R6-5, DNA nucleotide sequence evolution 2603.
- R factor R6-5, replication regions, cloning analysis 3707.
- R factor R6-5 derivatives, replication, origin/direction 3708.
- R factor R6K, characterization 3091.
- R factor R6K, derivatives, construction/characterization 2152.
- R factor R6K, *Escherichia coli*, complementation-dependent replication 5590.
- R factor R6K, in vitro replication, proteins requirement 1634.
- R factor R6K, isolation/characterization, *Escherichia coli* K12 deletion mutant 986.
- R factor R6K, replicating forms, relationship-folded chromosomes, *Escherichia coli* 1270.
- R factor R6K, replication/drug resistance regions, cloning 1120.
- R factor R6K, replication-*Escherichia coli* DNA polymerase deficient mutant 4380.
- R factor R6K, replication origin-containing regions, nucleotide sequence 4308.
- R factor R6K hybrids, replication termini activity, *Escherichia coli* 2150.
- R factor R64drd11, *Escherichia coli*, DNA primase, purification/characterization 7394.
- R factor R91-5, *Pseudomonas aeruginosa*, DNA insertion mutagenesis 5086.
- R factors, DNA, *Escherichia coli*, use-genes transformation 2748.
- R factors, *Haemophilus influenzae*, characterization 6347.
- R factors, *Pasteurella multocida*, isolation/characterization 987.
- R factors, *Staphylococcus aureus*, DNA replication, *Bacillus subtilis*, hydroxyurea, effects on 3175.
- recombinant, chickens procollagen genes sequence-containing, construction-*Escherichia coli* 2745.
- recombinant, *Drosophila melanogaster* heat shock-induced proteins genes containing, sequence organization 4303.
- recombinant, human globin genes-containing structure 2599.
- recombinant, human α -globin/ β -globin/ γ -globin complementary DNA fragments-containing, isolation/nucleotide sequence 2560.
- recombinant, phage λ prophages integration DNA fragments-containing, construction 1684.
- recombinant, use-purification-complementary DNA, globin, rabbits 2027.
- recombinants, DNA polymers insertion sequences-containing, construction 6349.
- recombinants, *Escherichia coli* lactose operon-containing, construction/mapping 6364.
- recombinants, herpes simplex virus 1 thymidine kinase genes cloning-*Escherichia coli*, characterization 7263.
- recombinants, phage λ , DNA cloning 1117.
- recombinants, *Saccharomyces cerevisiae* nuclei DNA-containing, cloning, *Escherichia coli* 2746.
- replication, review 2298.
- replicons, *Bacillus subtilis* / *Escherichia coli* / *Halobacterium halobium* / *Streptomyces coelicolor* 5078.
- Rhizobium meliloti*, DNA, isolation/characterization 2559.
- Rhizobium meliloti*, identification/characterization, electrophoresis 7243.
- role-phage sensitivity, *Rhizobium meliloti* 1695.
- Saccharomyces*, DNA, in vitro replication 4371.
- Salmonella typhimurium*, DNA replication origin-containing, isolation/restriction endonuclease mapping 7070.
- Shigella sonnei* / *Shigella flexneri* antibiotic resistance isolates, characterization, electrophoresis 7245.
- Staphylococcus epidermidis*, DNA, assays 2017.
- Streptococcus faecium*, characterization 6083.
- Streptococcus pyogenes*, DNA, inverted repeat sequence 7024.
- Streptococcus pyogenes*, DNA, restriction endonuclease analysis 7023.
- Synechococcus cedrorum* / *Anacystis nidulans*, DNA homology 3700.
- templates, interaction-*Triticum* RNA polymerase II 3257.
- Ti plasmid, *Agrobacterium*, DNA homology 3094.
- Ti plasmid, *Agrobacterium tumefaciens*, DNA transfer, review 5714.
- Ti plasmid, *Agrobacterium tumefaciens*, induction-crown gall 5097.
- Ti plasmid, *Agrobacterium tumefaciens*, nif gene vectors 5096.
- Ti plasmid, derived sequence, transcription-crown gall tumours 7183.
- Ti plasmid, DNA, *Agrobacterium tumefaciens* mutants, identification/restriction endonuclease mapping 4933.
- Ti plasmid, DNA, homologous sequence, role-oncogenicity 2749.

Plasmids,(continued)

- Ti plasmid, DNA, nucleotide sequence homology, role-oncogenicity 7029.
- Ti plasmid, DNA, occurrence-plants tumours 3207.
- Ti plasmid, octopine/nopaline, *Agrobacterium tumefaciens*, DNA homology 4309.
- TOL plasmid derivatives, *Pseudomonas putida*, restriction endonuclease cleavage mapping 5488.
- transformation-derived, *Neisseria gonorrhoeae*, characterization 6252.
- use-cloning vectors, genetic engineering, nitrogen fixation, review 4583.
- vectors, construction/use-restriction endonuclease fragments cloning 7244.
- vectors, *Escherichia coli* / *Bacillus subtilis*, construction 6346.
- vectors, use-polyoma virus DNA cloning-*Escherichia coli* 5093.

Plasmodium berghiei,

rRNA/ribosomes, isolation/characterization 2413.

Plasmodium falciparum,

infection, human, DNA antibodies detection 6456.

Plasmodium vinckei,

chloroquine activity, relationship-DNA binding 3076.

Platinum,

- binding, effects on DNA secondary structure 7005.
- complex, interaction-phage λ DNA 6957.
- complex, intercalation-poly (A.U) 5809.
- complex-purines/pyrimidines, review 3353.
- complex, use-polynucleotides structure probes/antitumour agents, review 8.
- complex-DNA, structure 2587.
- complex-substituted pyrimidines, reaction-thiourea, products isolation/characterization 5725.
- complex-uracil/uracil (6-methyl)/uridine, binding sites, spectroscopy (u.v.)/spectroscopy (i.r.)/n.m.r. 681.
- compounds, antitumour agents, interaction-DNA, review 4596.
- containing, drugs, spin labelled, interaction-guanosine (deoxy) 6583.
- derivatives, complex-cytidylyl (deoxy)-(3':5')-guanosine (deoxy), structure 2363.

Platinum chloride,

complex-adenine/adenosine, synthesis/antitumour activity 5762.

Plethodon,

nucleolus organizer region localization 6517.

Pleurodeles waltlii,

oocytes, transcription, autoradiography 3574.

Pleurotus ostreatus,

monophenol monooxygenase mRNA, characterization 1951.

Podophyllotoxin,

effects on growth factors stimulation-DNA biosynthesis, 3T3 cells 7127.

Podospora anserina,

mitochondria, DNA, isolation/characterization 6217.

mutants/senescence culture, mitochondria, DNA, properties 6218.

Poecilia formosa,

thyroid cells, DNA, pyrimidine dimers photoreactivation, assays 4908.

Poeciloceris pictus,

chromosomes, dimethoate effects on 2236.

Poliovirus,

defective-interfering particles RNA, deletion, mapping 4169.

double-stranded RNA, strands specific attachment, avidin-

biotin reaction 4152.

genomes-linked proteins, comparison-encephalomyocarditis virus 2272.

infection, HeLa cells, inhibition-initiation complex formation 5361.

polynucleotide uridylyltransferase, isolation/characterization, template identification 2818.

protein biosynthesis initiation, resistance-environment 1448.

RNA, cleavage-*Escherichia coli* ribonuclease III 4859.

RNA, nucleotide sequence complexity 6786.

RNA, transfection, enhancement-histones/protamines, mechanisms 2526.

RNA, translation-reticulocyte lysate, rabbits 2005.

RNA-associated proteins, electron microscopy 2875.

RNA-associated proteins, purification/characterization 649.

RNA polymerase (RNA-dependent), purification/characterization 7359.

RNA polymerase (RNA-dependent), regulation in vivo 1730.

RNA-5'-terminus proteins linkage, cleavage-enzymes, characterization 2817.

Poliovirus 1,

defective-interfering particles RNA, initiation-translation, products identification 6062.

RNA, mapping/electron microscopy 3537.

RNA, ribonuclease III digestion, 5'-terminus-containing fragments, identification 1475.

RNA, translation initiation sites 822.

VPg protein, binding-RNA 1797.

Poliovirus 3,

RNA, mapping/electron microscopy 3537.

Poly (A),

biosynthesis, liver mitochondria, rats, primers directed 1388.

c.d. 4065.

chromatography (high-speed liquid), methodology 147.

containing, RNA, *Bacillus brevis*, isolation/characterization 842.

containing, mRNA, turnover, rats myocardium 1525.

containing, RNA biosynthesis, adenovirus (human) 2 893.

content, actin mRNA, sarcoma-180 ascites cells, mice 886.

copolymers-adenosine (1,N⁶-etheno-2-aza), synthesis/properties 5797.

degradation, *Physarum polycephalum* cytoplasm RNA 944.

distribution, liver, mice, dimethylnitrosamine, effects on 1515.

electric fields-induced orientation 6641.

exogenous, processing-rhinovirus (human) 2 infected human lung embryo cells 5313.

interaction-cis-diammine platinum II 5805.

light scattering studies 5808.

maternal mRNA, *Lytechinus pictus* zygotes, complex formation-proteins, following fertilization 5245.

2'-O-(o-nitrobenzyl) 3'-terminus-containing, synthesis 1376.

occurrence-tobacco etch virus RNA 3552.

phosphorescence quenching, glucose-sodium acetate solution 1863.

polyribosomes, *Triticum* embryos, bound proteins, characterization 3491.

random coil, models 148.

regions, DNA, sarcoma, rats, polycyclic hydrocarbons, effects on 4278.

mRNA, degradation-polyribonucleotide

nucleotidyltransferase, polyribosomes, liver, rats 2213.

sequence, *Naegleria gruberi* mRNA, characterization 5389.

sequence, RNA (heterogeneous nuclear), HeLa cells, properties 3633.

sequence, role-mRNA metabolism, ascites cells, mice 6877.

sequences, detection-barley stripe mosaic virus RNA 2481.

sequences, RNA, myeloma, mice, characterization 885.

Poly (A),(continued)

- spin labelling-nitroxides, conformation, e.s.r. 5807.
3'-terminus, role-human fibroblasts interferon mRNA stability, *Xenopus laevis* oocytes 928.
- Poly (dA),**
DNA, sperm, herrings, isolation 1372.
interaction-poly (dT) + poly (U), triple helix formation 739.
- Poly A (2-Aza),**
synthesis/properties 1375.
- Poly A (1,N⁶-Etheno),**
reaction-osmium tetroxide 135, 2362.
- Poly A (2-Ethylthio),**
synthesis/properties 6655.
- Poly A (2-Fluoro),**
complementary helix stabilization 6642.
- Poly A (2-Methylthio),**
synthesis/properties 6655.
- Poly (A,εA),**
fluorescence properties 5309.
interaction-tobacco mosaic virus proteins 1377.
interaction-tobacco mosaic virus proteins, fluorescence 5310.
- Poly d(A-A-G).d(C-C-T),**
c.d., comparison-poly.d(A-A-G)-d(C-T-T) 153.
c.d., comparison-poly d(A-G-G)-d(C-C-T) 153.
- Poly d(A-r³U),**
synthesis/hydrolysis 746.
- Poly d(A.T).d(A.T),**
infrared dichroism 150.
- Poly d(A.T),**
alkylation-methylnitrosoarea/ethylnitrosoarea 1378.
antibodies, characterization, reaction-oligonucleotides/DNA 1751.
association-*Escherichia coli* lactose repressor 1305.
complex-daunomycin, structure, n.m.r. 2929.
duplex, dipyrandium insertion, n.m.r. 2366.
effects on *Escherichia coli* lactose repressor conformation 7477.
helix-coil transition, hydrogen ion, effects on 152.
histones, reconstitution-nucleosomes cores 5213.
stimulation-RNA polymerase II, nuclei, embryos, *Xenopus laevis* 7354.
synthesis, catalysis-*Escherichia coli* DNA polymerase I 3439, 5819.
- Poly d(A.T),**
base pairs regions, electropotential 6644.
binding-netropsin, DNA-binding protein 5233.
infrared dichroism 150.
models, DNA B-form structure, X-ray diffraction 7008.
- Poly (A.U),**
binding-polyspermine-cross-linked ribonuclease I, kinetics 7313.
effects on *Brucella abortus* infection, mice 157, 158.
induction-poly (ADP-ribose) antibodies, rabbits 2823.
intercalation-platinum complex 5809.
stimulation-differentiation stimulating factor production, macrophages, mice 2368.
suppressor cells induction, plaque-forming cells response, mice 2825.
- Poly (A-U),**
synthesis, *Caulobacter crescentus* RNA polymerase 6406.
- Poly d(A-U),**
uracil 5-alkylation, heat stability, effects on 5811.
- Poly (A.2U),**
molecular weight, changes during hysteresis 3430.

Poly (A) polymerase,

- primers, liver mitochondria, rats, structure 4495.
reovirus associated virion, activation mechanisms 5632.
- Poly (ADP-ribose),**
antibodies, induction-poly (A-U), rabbits 2823.
antibodies, occurrence-systemic lupus erythematosus 5178.
biosynthesis, human lymphocytes, association-DNA repair 7165.
biosynthesis, human normal/leukaemia (chronic lymphatic) lymphocytes 1666.
biosynthesis, *Xenopus laevis* embryos, in vitro chains elongation 1389.
cattle thymus, purification/characterization 2216.
complex-histone H1, formation, effects on, spermine/spermidine/putrescine/magnesium/calcium 603.
formation, effects on DNA biosynthesis, liver, embryos, chickens 4421.
high molecular weight, electrophoresis 149.
induction-differentiation, leukaemia myeloid cells, mice 1867.
isolation/assays 27.
monomer, antibodies, formation/characterization 2222.
proteins ADP-ribosylation, review 3.
thymus, pigs, purification/characterization 2816.
- Poly (ADP-ribose) glycohydrolase,**
activity, *Tetrahymena pyriformis* 2215.
- Poly (ADP-ribose) polymerase,**
activity, Friend erythroleukaemic cells, during cell cycle/differentiation 1750.
activity, relationship-chromatin structure 622.
activity, *Tetrahymena pyriformis* 2215.
Ehrlich ascites tumour cells, purification/properties 1231.
localization, nucleosomes, chromatin, HeLa cells 618.
stimulation-DNA, thymus, cattle 6340.
- Poly (C),**
complexes-poly (I), effects on phage T7 alkylated DNA 740.
effects on plasmacytoma/mammary gland adenocarcinoma growth, mice 5314.
interaction-cis-diammine platinum II 5805.
interaction-poly (I), alkylation, effects on 3434.
structure, models, cytosine (1-methyl) hemihydroiodide hemihydrate X-ray diffraction 36.
thiolated, inhibition-RNA polymerase I/RNA polymerase II, Friend virus-infected spleen, mice 2197.
tracts, foot-and-mouth disease virus/encephalomyocarditis virus RNA, sequence/location 5375.
- Poly (C,εC),**
interaction-tobacco mosaic virus proteins 1377.
- Poly (C,εC),**
optical properties/complex-tobacco mosaic virus ribonucleoproteins, energy transfer 5814.
- Poly d(C-G),**
methylation products, DNA biosynthesis templates, coding 5815.
- Poly (G),**
binding-4-nitrosoquinoline 1-oxide/4-hydroxyaminoquinoline 1-oxide, comparison 735.
inhibition-tRNA (isoleucyl) formation, liver, rats, polyamines, effects on 1408.
interaction-cis-diammine platinum II 5805.
- Poly (G.C),**
antiviral agents, Venezuelan equine encephalitis virus 3438.
hydrolysis/inactivation-serum, monkeys 4066.
- Poly d(G.C),**
base pairs regions, electropotential 6644.

- Poly d(G-C),**
helix-coil transition, hydrogen ion, effects on 152.
- Poly (G,I,C),**
hydrolysis/inactivation-serum, monkeys 4066.
- Poly (I),**
alkylation, effects on interaction-poly (C) 3434.
complexes-poly (C), effects on phage T7 alkylated DNA 740.
copolymers-adenosine (1,N⁶-etheno-2-aza), synthesis/
properties 5797.
effects on *Escherichia coli* RNA polymerase-adenovirus
(humam) 2 DNA complex 6410.
effects on plasmacytoma/mammary gland adenocarcinoma
growth, mice 5314.
helix formation 6643.
induction-differentiation, leukaemia (myeloid) cells 4069.
inhibition-tRNA (isoleucyl) formation, liver, rats,
polyamines, effects on 1408.
interaction-nucleoside triphosphates 2932.
- Poly I (2-Aza),**
synthesis/properties 1375.
- Poly I (2'-Chloro-2'-Deoxy),**
synthesis/properties 5802.
- Poly I (2'-Deoxy-2'-Fluoro),**
synthesis/properties 736.
- Poly I (1-Methyl),**
spectroscopy (Raman) 3429.
- Poly(lysine),**
complex-poly (I.C.), effects on Venezuelan equine
encephalomyelitis virus infection, monkeys 6652.
copolymers, complex-DNA, chromatin models, heat
denaturation, ethylene glycol effects on 6480.
interaction-immobilized DNA 6096.
modification-poly (I-C), effects on interferon induction 1384.
nucleotides derivatives, synthesis/properties 5299.
- Poly (I.C),**
antibodies, interaction-polynucleotides 155.
antiviral agents, Venezuelan equine encephalitis virus 3438.
azido derivatives, interferon induction activity 2369.
complex-lysine, interferon induction, dogs 5813.
complex-poly-L-lysine, effects on Venezuelan equine
encephalomyelitis virus infection, monkeys 6652.
cross-linking-4-aminomethyl-4,5',8-trimethylpsoralen 5810.
degradation-nuclease, human plasma 4071.
effects on colony stimulating factors, bone marrow cells 159.
effects on cytochrome P-450/aminopyrineN-demethylase/
benzo(a)pyrene hydroxylase activity, hepatocytes, mice 743
effects on interferon-treated cells 5316.
effects on interferon-treated L929 cells 6649, 6650.
effects on phenobarbital/3-methylcholanthrene induction-
monooxygenase systems 6651.
effects on plasmacytoma/mammary gland adenocarcinoma
growth, mice 5314.
effects on Sindbis virus replication 1870.
hydrolysis/inactivation-serum, monkeys 4066.
induction-interferon, chickens, efficacy/applications 742.
induction-interferon, in vitro, review 2303.
induction-interferon, mechanisms, review 2294.
induction-interferon, modification-poly-L-lysine/
carboxymethylcellulose, effects on 1384.
induction-interferon production, human fibroblasts,
superinduction, mechanisms 3437.
interferon induction, conformation dependence 3431.
interferon-induction, L-929 cells 5315.
interferon induction, role-structure 741.
metabolism, mice 3799.
- modified, induction-interferon 1868.
protection-mengovirus infection 6653.
stabilization-poly (lysine), clinical trials, antitumour activity
6648.
stimulation-differentiation stimulating factor production,
macrophages, mice 2368.
superinduction-interferon, human fibroblasts, actinomycin/a-
amanitin/camptothecin effects on 1869.
- Poly (lysyl-aminoacyl-alanyl),**
complex-DNA, c.d. 1559.
- Poly (T),**
chromatography (high-speed liquid), methodology 147.
enzymatic synthesis 2372.
- Poly (dT),**
covalent attachment-human erythrocytes 1385.
interaction-poly (dA) + poly (U), triple helix formation 739.
- Poly (U),**
binding-cells, mutagens, effects on 6654.
copolymers-adenosine (1,N⁶-etheno-2-aza), synthesis/
properties 5797.
interaction-*Escherichia coli* ribosomal subunit 30S 5894.
interaction-poly (dA) + poly (dT), triple helix formation 739.
methylation-ribosomal S1, effects on binding 3496.
ribonuclease hydrolysis products, molecular weight
distribution 165.
secondary structure, n.m.r. 4669.
spin labelling-nitroxides, conformation, e.s.r. 5807.
synthetic messenger, translation fidelity, spermidine, effects
on 5431.
- Poly U (5-Methoxy),**
synthesis/properties 5311.
- Poly (U,G),**
agarose gels, use-DNA separation 950.
- Poly (X,U),**
serum, rabbits, antibodies specificity 6454.
- Polyamines,**
depletion, effects on DNA biosynthesis, lymphocytes nucleic
1108.
effects on *Escherichia coli* DNA polymerase I activity 1198.
effects on herpes simplex virus DNA biosynthesis, cell-free
system 2719.
effects on nonhistone proteins phosphorylation, nuclei, liver,
rats 1260.
effects on poly (G)/poly (I)/ribosomes inhibition-tRNA
(isoleucyl) formation, liver, rats 1408.
effects on ribonuclease activity, *Avena sativa* protoplasts
1153.
effects on ribosomal proteins iodination 5352.
inhibition-DNA (cytosine-5)-methyltransferase in vitro 5166.
interaction-phage T7 DNA 335.
metabolism, effects on DNA biosynthesis, regenerating liver,
rats 4425.
role-multiplication-stimulating activity regulation-DNA
biosynthesis, embryo fibroblasts, chickens 2699.
stimulation-nonhistone proteins phosphorylation, *Physarum
polycephalum* 2846.
- Polyanions,**
effects on DNA biosynthesis/RNA biosynthesis/protein
biosynthesis, spleen lymphocytes/bone marrow cells, rats
7204.
effects on DNA polymerase α /DNA polymerase β ,
Hemicentrotus pulcherrimus /HeLa cells 539.
- Polycations,**
effects on histone H1 methylation/displacement, chromatin,

Polycations,(continued)

liver, rats 2840.

Polychlorinated biphenyl,

effects on RNA biosynthesis, macrophages 6890.

Polycyclic hydrocarbons,

binding-DNA, characterization 4904.

binding-DNA, skin, mice, assays 4903.

binding-DNA, skin cells, mice 2583.

effects on DNA poly (A) regions, sarcoma, rats 4278.

effects on tRNA methionine acceptance, liver, rats 6691.

Polydeoxyribonucleotides,

see also **Polynucleotides**

Rous sarcoma virus RNA 35S termini, synthesis 4058.

synthetic, association-histones, erythrocytes, chickens,

chromatin cores particles formation, characterization 5204.

synthetic, interaction-distamycin A analogues 3432.

Polydiella,

bacterial DNA, uptake/fate 1115.

Polyethylene glycol,

effects on phage I DNA *Escherichia coli* transfection 6353.

Polyethylene glycol 400,

effects on RNA polymerase activity, liver, rats 522.

Polyhedrosis virus,

Galleria mellonella, DNA structure, electron microscopy 5500.

Polynucleotide adenyllyltransferase,

activity during embryogenesis, *Strongylocentrotus purpuratus* 3908.

encephalomyocarditis virus, activity-infected L cells 745.

hamsters, fibroblasts, characterization 161.

liver, rats, inhibition-2'-dATP/3'-dATP, mechanisms 5148.

Pichinde virus, characterization 4493.

primer specificity 162.

Rhodospirillum rubrum, purification/characterization 2191.

structure, relationship-mRNA-binding protein 7455.

Polynucleotide 5'-Hydroxyl-kinase,

phage T4, purification/characterization 2211.

phage T4, role-gene expression 1219.

Polynucleotide kinase,

exchange reaction, use-quantitation-termini formation, DNA cleavage-restriction endonuclease 5118.

mammalian/bacterial, properties, review 5253.

5'-triphosphate, inhibition- β , γ -imidoadenylyl 1211.

Polynucleotide ligase,

hybridization-DNA fragments, kinetics 7396.

phage T4, polymerization-oligo (dT), antibiotics, effects on 4670.

Polynucleotide nucleotidyltransferase,

Clostridium perfringens, quaternary structure/proteolysis 4517.

degradation-mRNA poly (A), polyribosomes, liver, rats 2213.

Micrococcus luteus, characterization, microheterogeneity 550.

Micrococcus luteus, bonds formation 4518.

RNA-reaction, *Escherichia coli* 5643.

use-oligonucleotides enzymatic synthesis 1387.

Polynucleotide 3'-Phosphatase,

phage T4, role-gene expression 1219.

Polynucleotide phosphorylase,

polymerization-nucleoside diphosphates, use-RNA primers,

role-radiation (u.v.) treated phage T2 DNA 4227.

purification/properties, *Streptomyces aureofaciens* 5142.

Polynucleotide uridylyltransferase,

Pichinde virus, characterization 4493.

poliovirus, isolation/characterization, template identification 2818.

Polynucleotides,

see also **Polydeoxyribonucleotides**

adsorption-liposomes/mitochondria membranes 3435.

analogues, synthesis/properties 6636.

bases, interaction 154.

binding-daunomycinone/daunomycin/adriamycin, role-metals 4268.

binding dibenzo(a,e)fluoranthene, microsomes, liver 1564.

binding-tetracycline-metals complex 4269.

complementary *Escherichia coli* rRNA 5S/rRNA 23S 5'-

terminus sequence, synthesis 5795.

complex formation-mitochondria membrane, liver, rats 1866.

complex-ribosomal subunits 30S + tRNA (aminoacyl),

dissociation, role-initiation factor 3 3506.

conformation, tetramethylammonium, effects on 3696.

denaturation, adsorption-lipid membranes, effects on 3425.

double helical, hydrogen exchange 737.

double-stranded, interaction-proteins 1865.

effects on phage T4 DNA-binding protein structure 1286.

electrostatic properties, review 9.

enzymatic synthesis, use-primers 2371.

formaldehyde-induced unwinding, mathematical models 5804.

fractionation, use-boron polymers 4056.

hydrogen bonds, ethylnitrosourea reactivity 6109.

hydrogen-tritium exchange 144.

immobilization, use-agarose 3533.

induction-interferon, mechanisms, review 2281, 2289.

interaction-poly(I-C) antibodies 155.

interaction-Vero cells, e.s.r. 156.

isolation-chromatography (thin-layer) 2353.

Leu-enkephalin genes, synthesis 3424.

phage fd DNA promoters regions, enzymatic-chemical synthesis 5820.

phage fd DNA promoters regions, synthesis 2356.

pyrimidines, helix formation-purines, c.d. 4668.

radiation damage, relationship-melting transition 143.

random coil, spatial distribution 4062.

specific osmium ligands 6628.

structure, probes, use-platinum complex, review 8.

synthesis 2358.

synthesis, methodology, review 2895.

synthesis, 5'-terminus guanosine protecting groups 139.

synthesis/characterization 5803.

synthetic, interactions-[4',6->diamidine-2-phenylindole 6638.

synthetic analogues, synthesis/properties 6635.

templates, depurination, effects on DNA biosynthesis fidelity 4411.

templates synthesis, specificity, hypothesis 5318.

3'-terminus labelling, use-phage T4 RNA ligase

phosphorylation 3440.

use-templates, non enzymatic polymerization, prebiosis 4067.

Polyoma virus,

antigen T, translation in vitro 2396.

capsid protein mRNA, characterization 859.

chromatin, DNA replication origin, structure/recognition-
endonuclease 3969.

control-dihydrofolate dehydrogenase mRNA abundance,
methotrexate-resistant 3T6 cells 4252.

deletion mutant, DNA, sequence 4334.

DNA + capsids, assembly, particles, characterization 7473.

DNA, biological activity-mice/hamsters 3845.

DNA, cleavage-restriction endonuclease, effects on
tumorigenicity 7294.

DNA, cloning-*Escherichia coli*, use-plasmids vectors 5093.

DNA, cloning-*Escherichia coli*, use-phage λ vectors 5094.

DNA, comparison-K virus 1013.

Polyoma virus,(continued)

- DNA, containing, phage λ /plasmid pBR322, construction/infectivity-fibroblasts, mice 7265.
- DNA, detection-brain tissues, human progressive multifocal leucoencephalopathy 3053.
- DNA, nucleotide sequence 387.
- DNA, organization, transformed cell lines, rats 3744.
- DNA, replication, kinetics 7117.
- DNA, replication origin regions, nucleotide sequence, comparison-BK virus/SV40 6192.
- DNA, restriction endonuclease AluI cleavage sites, mapping 3745.
- DNA, transcription-calf thymus RNA polymerase II 1186.
- DNA, transcription-*Escherichia coli* RNA polymerase 1721.
- DNA biosynthesis, infected 3T6 cells nuclei, mice 6276.
- DNA replication, cytosine arabinoside, effects on 5764.
- DNA replication, infected C3H2K cells 3802.
- DNA replication, initiator RNA biosynthesis/distribution 895.
- E-strand DNA, transcription during infection 2497.
- genomes, DNA sequence homology, detection/mapping, methodology 6124.
- high molecular weight nuclear RNA, coding-capsid protein, in vitro 1530.
- infected cells, occurrence-late RNA 2975.
- initiator RNA biosynthesis during nucleotides depletion 6024.
- late mRNA, leaders sequence, amplification 3541.
- late mRNA, 5'-terminus caps, structure 3540.
- mice DNA-containing, formation/characterization 2757.
- mutants, DNA restriction endonuclease cleavage sites 1599.
- non-transforming mutant, DNA, nucleotide sequence 2633.
- poly (A)-containing nuclear RNA, topography 4170.
- RNA, nucleotide sequence, tandem repeats 860.
- mRNA, purification, use-immobilized DNA 4151.
- transformed rats cells, DNA biosynthesis, non-integrated sequence replication 7118.
- Poly-L-Ornithine,**
protection plasmid pBR313 depolymerization-*Hordeum* /*Nicotiana* protoplasts 7292.
- Polyoxin N,**
Streptomyces piomogenus , isolation/structure 691.
- Polyoxyanions,**
effects on sulphhydryl groups modification, *Lactobacillus casei* TMP synthetase 3280.
- Polypentose sulphate,**
effects on deoxyribonuclease II degradation-DNA, deoxyribonucleoproteins 6376.
- Polypeptide synthetase,**
activity, liver chromatin, rats 623.
- Polypeptides,**
mRNA 14S-coded, lens, rats, characterization 937.
- Polyribosomes,**
see also **Ribosomes, Ribosomal subunits, etc.**
Artemia salina , light scattering, pressure, effects on 6721.
assembly, tobacco mosaic virus, molecular models 6725.
associated poly (A)-containing RNA, stability, *Glycine max* suspension culture 4186.
associated ribonuclease, purification/characterization 4475.
binding, antibiotics, *Escherichia coli* , relationship-protein biosynthesis inhibition 2959.
content, brain, rats, temperature effects 213.
content, *Drosophila melanogaster* oocytes 2954.
content, regenerating *Triturus* limbs, denervation, effects on 6722.
content/protein biosynthesis, *Capsicum annuum* leaves, photoperiod changes 4099.
Cyprinus carpio liver, protein biosynthesis activity 5898.
- dissociation, *Escherichia coli* , initiation factor 1/initiation factor 3, effects on 6729.
- distribution-regenerating liver, rats, radiation (γ), effects on 6749.
- Ehrlich ascites tumour cells, poly (A) containing mRNA, sequence complexity 5986.
- Ehrlich ascites tumour cells, proteins, patterns 815.
- Escherichia coli* , alkaline phosphatase biosynthesis, association-membranes 787.
- Escherichia coli* , ribosomal proteins dissociation, magnesium starvation, effects on 6728.
- Escherichia coli* , ribosomal subunit 50S maturation 2420.
- extraction-*Pyrus communis* , methodology 5884.
- fluoride/ozone, effects on 5355.
- formation, influenza A virus infected cell culture, ribavirin, effects on 3260.
- free/membrane-bound, liver, rats, mRNA degradation, cycloheximide/actinomycin D, effects on 4158.
- free/membrane-bound, liver, rats, mRNA stability, ethionine, effects on 5357.
- free/membrane-bound, peptidyltransferase activity, comparison 6754.
- immobilization-agarose gel 1907.
- isolation-*Glycine max* seeds 202.
- isolation-liver, roosters, methodology 2416.
- L cells, mRNA-proteins cross-linking, induction-radiation (u.v.) 2982.
- liver, rats, albumin mRNA, purification/quantitation during development 6922.
- liver, rats, dimethylsulphoxide, effects on 2428.
- liver, rats, following partial hepatectomy, proteins deprivation, effect on 4708.
- liver, rats, immunoadsorption 200.
- liver, rats, RNA antigens, isolation/characterization 3933.
- liver, rats, mRNA isolation, chromatography (affinity), use-poly (U)-Sephadex 4B 237.
- liver, rats, structure, X-ray crystallography 3485.
- loss, *Sinapis alba* hypocotyls, phytochromes, effects on 1917.
- lymphoid tissue, protein biosynthesis activity, limiting factors 6709.
- membrane-bound, *Vicia faba* cotyledons, relationship-globulin biosynthesis 6894.
- mRNA, CHO cells, formation/polyadenylation, kinetics, comparison-informosomes 3576.
- nuclear/cytoplasmic, RNA/proteins, comparison, adenovirus (human) 2-infected HeLa cells 5947.
- nuclei-associated, embryos cells, groundlings, characterization 3490.
- Physarum polycephalum* , ribosomal subunits proteins composition 6719.
- Pisum sativum* seeds, isolation, translation-wheat germ cell-free system, characterization-products 4739.
- precursors, mammalian cells, ribosomal proteins assembly, kinetics 6737.
- protoplasts, *Nicotiana* leaves, isolation 4724.
- Prunus persica* development, protein biosynthesis 2403.
- rats, carbon tetrachloride cytotoxicity, effects on 1915.
- rats, β -phenylethylamine, effects on 4735.
- reticulocytes, ducks, ribonucleoprotein (messenger), globin mRNA 15S, interaction-proteins 7415.
- retina, chickens embryos, glutamine synthetase mRNA induction, suppression-interferon 6068.
- ribonuclease-free, isolation-kidney, rats 6724.
- mRNA, ethionine-treated liver, rats, association-endoplasmic reticulum membranes 6053.
- RNA (heterogeneous nuclear)-depleted, *Xenopus laevis* liver,

Polyribosomes,(continued)

- isolation 6723.
 tRNA (peptidyl), liver, rats, N-terminus acetylation 4740.
 mRNA, *Strongylocentrotus purpuratus* embryos,
 translation efficiency, comparison-ribonucleoproteins 6915.
Saccharomyces cerevisiae, poly (A)-containing mRNA 2415.
Saccharomyces cerevisiae, poly (A)-containing mRNA, size
 5974.
 separation, methodology 5344.
 serum, rabbits, degradation-ribonuclease, protection-heparin
 5132.
 spermatids, rats, temperature effects 3503.
 spinal cord, rats, development/demyelination,
 characterization 1438.
Streptomyces hydropneumans, 20 β -hydroxysteroid
 dehydrogenase biosynthesis, detection 3483.
 SV40, association-mRNA 16S/mRNA 19S 193.
 thyroid, cattle, high molecular weight thyroglobulin peptides
 biosynthesis in vitro 4736.
 translation activity, liver, rats, stimulation-cycloheximide
 5900.
Triticum embryos, poly (A)-bound proteins, characterization
 3491.
 turnover, muscles, rats, following fasting, amino acids
 (branched-chain), effects on 6735.
Polysaccharides,
 sulphated, effects on DNA biosynthesis/RNA biosynthesis,
 Ehrlich ascites tumour cells 2144.
Polyspermine,
 cross-linked-ribonuclease I, binding-poly (A.U), kinetics 7313.
Polysphondylium pallidum,
 microcysts, germination, protein biosynthesis/RNA
 biosynthesis 1503.
Polytene,
 cells, nucleoli, *Drosophila nasuta*, DNA, organization/
 replication 6230.
Pongo pygmaeus,
 rRNA gene distribution, comparison-*Pan troglodytes* /
 Gorilla gorilla beringei /man 3055.
Pongo pygmaeus albei,
 chromosomes, rRNA gene location 6508.
Porphyridium,
 bacterial DNA, uptake/fate 1115.
Porphyrins,
 ligands, interaction-calf thymus DNA 6244.
Portulaca oleraceae,
 seeds, protein biosynthesis/RNA biosynthesis/DNA
 biosynthesis, light, effects on 3472.
Potassium,
 concentration, effects on protein biosynthesis elongation,
 reticulocytes/reticulocyte lysate 1454.
 concentration, effects on protein biosynthesis/RNA
 biosynthesis/DNA biosynthesis, Ehrlich ascites tumour cells
 4712.
 concentration, effects on protein biosynthesis, Sindbis virus-
 infected chickens cells 6702.
Potassium chloride,
 stabilization-*Halobacterium cutirubrum* ribonucleoproteins
 584.
Potassium iodide,
 effects on tritiated uridine incorporation, RNA, thyroid 1850.
Potato leafroll virus,
 RNA, isolation/characterization 5924.
Potato spindle tuber viroid,
 circular RNA, phosphodiester cleavage 5382.
 complementary DNA, biosynthesis/characterization, in vitro
 1600.
 complementary DNA, nucleotide sequence homology 1481.
 conformation, heat transitions, melting analysis 5965.
 RNA, characterization 4143.
 RNA, characterization/biological properties 6795.
 RNA, interaction-ethidium bromide/c.d. 4802.
 RNA, structure 2993.
Potorous tridactylus,
 radiation (u.v.)/radiation (visible light)-induced damage,
 DNA repair 434.
Poxvirus,
 DNA, base composition 5501.
 DNA, restriction endonuclease fragments, electrophoresis
 1014.
 DNA, termini inverted repeats 1015.
 infection, AMP arabinoside, adenine arabinoside
 monophosphate 723.
 replication, interferon, effects on, review 2288.
Prednisolone,
 effects on DNA biosynthesis, herpes simplex virus 1 1072.
Pregnenolone-16 α -Carbonitrile,
 induction-RNA biosynthesis/protein biosynthesis, liver, rats
 902.
Preproalbumin,
 chickens, complementary DNA, cloning 1556.
Preprolactin,
 mRNA, activity, pituitary cell culture, sheep, 17 β -oestradiol,
 effects on 5863.
 mRNA, levels, pituitary, rats, oestrogen, effects on 6011.
Pretazetidine hydrochloride,
 effects on protein biosynthesis, Rauscher leukaemia virus
 infected cells 1423.
Prionace glauca,
 occurrence-deoxyribodipyrimidine photolyase 2113.
Procollagen,
 biosynthesis, decrease, Rous sarcoma virus-infected
 fibroblasts, embryos, chickens, kinetics, relationship-mRNA
 5859.
 biosynthesis, regulation during development, calvaria,
 embryos, chickens, relationship-mRNA content 4856.
 chickens, clones, plasmids, construction/characterization
 1698.
 embryos, chickens, complementary DNA, clones,
 construction, characterization 6371.
 mRNA, calvaria, embryos, chickens, identification 6803.
 mRNA, cattle, size/secondary structure 5982.
 mRNA, chickens calvaria, translation-reticulocyte lysate
 1535.
 mRNA, embryos, chickens, translation-wheat germ cell-free
 system, proline products, hydroxylation 2008.
 mRNA, embryos, chickens, translation-wheat germ/
 reticulocyte lysate cell-free system 6919.
 mRNA, normal/transformed fibroblasts, embryos, chickens,
 characterization 5977.
Proflavine,
 complex-adenyl(3',5')-adenosine phosphate, structure, X-
 ray diffraction 1380.
 complex-DNA, structure 3077.
 effects on adenovirus RNA stability 849.
 free radicals induction-phase ϕ X174 DNA, conformation,
 effects on 6112.
 inactivation-*Haemophilus influenzae* transforming DNA
 4271.
 interaction-cytidylyl(3',5')-guanosine guanylyl(3',5')-
 cytidine, energetics 6639.
 intercalation-DNA, induced c.d. 5476.
 photoinactivation-phase ϕ X174 DNA 2700.

Progesterone,

effects on DNA biosynthesis, herpes simplex virus 1 1072.
effects on ovalbumin mRNA transcription/translation,
chickens 2503.

effects on RNA biosynthesis, embryos, mice 2506.

induced transcription, oviduct, quails, age, effects on 4591.
receptors, DNA binding subunits, oviduct, chickens,
purification/characterization 5237.

receptors complex, binding-chromatin, sheep hypothalamus
2854.

receptors complex, effects on chromatin transcription,
rabbits, uterus 7438.

regulation ovalbumin mRNA translation, oviduct, chickens
1890.

Proinsulin,

mRNA, stimulation-glucose, pancreas, rats 2400.

Prolactin,

biosynthesis, pituitary, sheep, oestrogen, effects on 5862.

biosynthesis, pituitary cell culture, sheep, 17β -oestradiol,
effects on 5863.

biosynthesis, tumour cells, pituitary, rats, induction-uridine
(5 bromodeoxy), mechanisms 4649.

biosynthesis/mRNA accumulation, pituitary, rats, oestrogen,
effects on 6009.

complementary DNA, pituitary tumour cells, rats, isolation/
characterization 5525.

content, pituitary, rats, relationship-DNA replication 5544.
genes, rats, containing, recombinant DNA, construction/
analysis 3849.

precursors, mRNA, purification-pituitary (anterior), cattle
3529.

mRNA, accumulation, pituitary, rats, stimulation-oestradiol
3592.

mRNA, GH cells, regulation, use-complementary DNA
probes 6925.

mRNA, reticulocyte lysate, pituitary, rats, reverse
transcription 7203.

stimulation-RNA biosynthesis, mammary gland, mice, 2-
nitrophenyl sulphenyl chloride modification, effects on 2505.

Promoters,

A2 promoter, phage T7 DNA, nucleotide sequence 381.

C promoter, phage T7, DNA nucleotide sequence 3719.

competition, phage SPO1 DNA binding protein, effects on
4559.

control galactose operon, *Escherichia coli* 5598.

early, phage T7, nucleotide sequence 4948.

Escherichia coli, in vitro interaction 3992.

lactose promoter, interaction *Escherichia coli* RNA
polymerase, contact location 7478.

lactose promoter, interaction-RNA polymerase, *Escherichia
coli* 3345.

lactose promoter, mRNA, *Escherichia coli*, transcription in
vitro 4806.

localization-phage M13 DNA 2073.

phage ϕ X174/phage S13, radiation (u.v.) mapping 991.

phage T5 genome, mapping, electron microscopy 2616.

phage T7, RNA chains initiation-*Escherichia coli* RNA
polymerase, kinetics 6851.

phage T7, unwinding-*Escherichia coli* RNA polymerase
7329.

phage T7 RNA polymerase, nucleotide sequence 4947.

phages genomes, identification/localization, review 5717.

sites, localization, plasmid NTP1 4305.

sites, phage T7 DNA, mapping 2632.

structure/binding-phage T7 RNA polymerase 5624.

tetracycline resistance genes, plasmid pBR313/plasmid
pBR322, characterization 7027.

1,3-Propane sultone,

effects on transforming DNA, *Bacillus subtilis* 3069.

 β -Propiolactone,

effects on transforming DNA, *Bacillus subtilis* 3069.

reaction-thymidine-5'-monophosphoric acid 2350.

***Propionibacterium shermanii*,**

DNA methylation, methylcobalamin, effects on 5072.

ribonucleotide reductase activity, assays, use-
chromatography (thin-layer) 3930.

***Prorocentrum micans*,**

chromosomes, division 1791.

chromosomes, structure 1272.

Prostaglandin A₂,

effects on RNA biosynthesis, erythroid cells, mice 1984.

Prostaglandins,

effects on DNA biosynthesis, melanoma cells 6283.

stimulation-DNA biosynthesis initiation, fibroblasts, mice
6282.

Prostate,

human, DNA polymerase (RNA-dependent) activity 5642.

rats, regression, RNA biosynthesis 912.

rats, RNA polymerase I/RNA polymerase II activity, RNA
biosynthesis, androgens/cycloheximide, effects on 4489.

***Prostheobacter*,**

DNA homology 2076.

Protamine,

complementary DNA, synthesis/characterization 5519.

enhancement-poliovirus RNA transfection, mechanisms
2526.

genes, number/frequency, *Salmo gairdneri* testis 3054.

interaction-DNA, assays, fluorescence 3339.

poly (A) containing mRNA, translation-wheat germ/rabbits
reticulocyte lysate cell-free system 6076.

mRNA, poly (A)-containing, translation-*Xenopus* oocytes
4246.

mRNA, *Salmo gairdnerii*, cloning-complementary DNA
7279.

mRNA, *Salmo gairdnerii*, coding/non-coding regions,
sequence divergence 7084.

mRNA, *Salmo gairdnerii* testis, isolation/characterization
6916.

mRNA, translation-wheat germ cell-free system, 5'-terminus
caps removal, effects on 3635.

Protamines,

human spermatozoa, amino acid sequence 2835.

Protein (acidic),

mice ascites cells/hamsters fibroblasts ribosomal subunit
60S, characterization 201.

purification/characterization/role-nucleosomes assembly
2256.

Protein biosynthesis,

see also **Translation**

Acer platanoides, low temperature stratification, effects on
6891.

Acetabularia, inhibition-tobacco mosaic virus 4199.

Achlya ambisexualis, stimulation-antheridiol 1417.

activity, *Cyprinus carpio* liver polyribosomes 5898.

activity, *Escherichia coli* tRNA, uridine (5-fluoro)
substitution, effects on 762.

activity, fluorescamine modification-tRNA, *Escherichia coli*
2430.

activity, gentamicin, effects on 2957.

Anaplasma marginale, erythrocytes culture, cattle 2096.

Artemia salina, elongation, inhibition-modeccin 1922.

Aspergillus niger, during conidia development 4215.

avian sarcoma virus gag gene/pol gene products 3045.

Bacillus stearothermophilus, inhibition-ochratoxin A 1887.

Protein biosynthesis,(continued)

- BALB/c3T3 cells, magnesium, effects on 7208.
 BHK-21 cells, inhibition-oligo (A) 3436.
 bones, cell culture, rats, vitamin A action dependence 911.
 brain, rats, inhibition-d-amphetamine 189.
 brain, rats, perinatal methadone, effects on 3835.
 cell culture/mengovirus, N-methyl-N-nitrosourea, effects on 3594.
 cell-free system, brain, mice, tRNA aminoacylation, γ -aminobutyric acid, effects on 5328.
 cell-free system, *Drosophila melanogaster*, characterization 4706.
 cell-free system, liver/brain, rats, age, effects on 6706.
 cell-free system, retina, cattle 794.
 cell-free system, mRNA, myogenic cell lines, actinomycin D, effects on 941.
 cell-free system, wheat embryo, characterization 1415.
 cell-free system, wheat germ, translation conditions 796.
 cells, mammals, stimulation-sugars phosphorylation, mechanisms 2964.
 CHO cells, hyperthermia, effects on 7209.
 coat proteins, phage Q β , control mechanisms, infected *Escherichia coli* 4701.
 coding-amino acids, review 4010.
 control haemin, translation repressors formation/activity, dithiothreitol, effects on, reticulocytes, rabbits 1422.
 Darier's disease cells, autoradiography 6882.
 dependence-DNA content, *Bacillus subtilis* spores 4213.
 dependence-RNA biosynthesis, during early germination, *Triticum* embryos 3473.
Dictyostelium discoideum, formycin/formycin B/toycamycin, effects on 278.
Dictyostelium discoideum spores, during germination 3616.
Drosophila melanogaster, α -amanitin/juvenile hormone, effects on 901.
Drosophila melanogaster wing discs 3572.
Dunaliella bioculata, cell cycle 1066.
 Ehrlich ascites tumour cells, eupahysopin, effects on 1663.
 Ehrlich ascites tumour cells, pyrimidine (1,3,4-thiadiazolo[3,2a]), effects on 6884.
 Ehrlich ascites tumour cells, regulation-quercetin 3838.
 Ehrlich ascites tumour cells, sodium/potassium concentration, effects on 4712.
 elongation, *Escherichia coli*, rRNA 16S cleavage-cloacin, effects on 1451.
 elongation, inhibition-reticulocytes membranes components 5362.
 elongation, liver, rats, tumours transplantation, effects on 2971.
 elongation, reticulocytes/reticulocyte lysate, potassium concentration, effects on 1454.
 elongation rates, *Saccharomyces cerevisiae*, relationship-growth rate 4702.
 embryos, mice, during development, α -amanitin, effects on 4707.
Entamoeba histolytica, inhibition-emetine, binding-ribosomes 6745.
Escherichia coli, during glycerol-induced bacteriostasis 4415.
Escherichia coli, indole acetic acid, effects on 5405.
Escherichia coli, inhibition-antibiotics, relationship-polyribosomes binding 2959.
Escherichia coli, inhibition-phenylmercuric borate 2722.
Escherichia coli, initiator tRNA, formylation-methionine, lactose operon expression polarity 1880.
Escherichia coli, phage T-even infection, effects on, review 6549.
Escherichia coli, regulation, L-1-tosylamido-2-phenylethyl chloromethyl ketone/kiromycin, effects on 823.
Escherichia coli, relationship-thymine starvation-induced mutagenesis 3177.
Escherichia coli, thermal injury, effects on 5412.
Escherichia coli /*Pseudomonas fluorescens*, temperature effects 788.
 fibroblasts, human, stimulation-cattle growth hormone fragments 191.
 fibroblasts, mice, sodium fluoride, effects on 7213.
 Friend erythroleukaemia cells, stimulation haemin 795.
Gallus domesticus muscles, rate 1892.
 gentamicin-resistant *Escherichia coli*, ribosomal protein L6 mutations, effects on 2425.
 glial cells/nerves cells, brain, rabbits 5996.
 α -globulin, hepatocytes, rats, induction-glucocorticoids, in vitro 793.
Glycine max hypocotyls, role-actinomycin D/blasticidin S-mediated resistance. *Phytophthora megasperma* infection 279.
Haemophilus influenzae, association-competence 1095.
Hapalosiphon welwitschii, penicillin G, effects on 6020.
 hepatocytes, rats, aminooxyacetate/amino acids, effects on 1421.
 hosts, inhibition-herpes simplex virus, genes, control 3608.
 human leucocytes (polymorphonuclear) 4817.
 human lymphocytes, α -difluoromethylornithine/methylglyoxal bis(guanyldiazotane), effects on 3187.
 human lymphocytes, inhibition-macrophages immunosuppressive factor 2136.
 incorporation-iodine 125-labelled tRNA (tyrosyl), cell-free system 185.
 influenza A virus, embryo cells, chickens, actinomycin D, effects on 3466.
 influenza A virus, florenal, effects on 2496.
 influenza A virus, infected cells, control 6061.
 influenza, Chinese hamsters, cell culture, effects on mitosis 295.
 inhibition, effects on RNA polymerase II/RNA polymerase III activity, liver, rats 3899.
 inhibition, nucleoli, Ehrlich ascites tumour cells, effects on RNA polymerase I activity 5625.
 inhibition-anthelmintic, mechanisms 4727.
 inhibition-cycloheximide, liver, rats, effects on rRNA processing 6879.
 inhibition-cycloheximide, liver nuclei, rats, effects on ribonucleoproteins transport 4097.
 inhibition-double-stranded RNA, L cells, relationship-interferon induction 4231.
 inhibition-double-stranded RNA, mechanisms 2541.
 inhibition-erythromycin derivatives 1416.
 inhibition factor, *Bacillus stearothermophilus*, purification/characterization, role-ribosomes stability 204.
 inhibition-isoleucine analogues 7733.
 inhibition-oligonucleotides, interferon treated L cells 4672.
 inhibitors, reticulocytes, rabbits, characterization 1898.
 initiation, bacteria, tiamulin, effects on 4118.
 initiation, *Escherichia coli*, kinetics 4134.
 initiation, *Escherichia coli*, peptidyl-tRNA hydrolase, effects on 3508.
 initiation, *Escherichia coli*, rRNA 16S cleavage-cloacin, effects on 1450.
 initiation, inhibition-glutathione, mechanisms 829.
 initiation, L cells, interferon-induced mRNA translation inhibitors, effects on 5917.
 initiation, poliovirus, resistance-environment 1448.
 initiation, reticulocyte lysate, inhibitors, lymphocytes cytoplasm, characterization 1926.

Protein biosynthesis,(continued)

- initiation, ribosomes, mechanisms, review 2890.
 initiation, skeletal muscle/heart, rats, glucocorticoids, effects on 791.
 initiation, skeletal muscle/heart, rats, fasting, effects on 828.
 initiation, skeletal muscle/heart, rats, cortisone acetate, effects on 2401.
 initiation/elongation activity, liver, rats, proteins depletion/refeeding, effects on 4709.
 insects, review 3356.
 intestine, rats, aldosterone, effects on 1419.
 leucocyte (polymorphonuclear), role-phagocytosis 1897.
 liver, rats, diabetes, stimulation-phenobarbitone 2399.
 liver, rats, following partial hepatectomy, proteins deprivation, effect on 4708.
 liver, rats, induction-pregnenolone-16 α -carbonitrile 902.
 liver, rats, inhibition-methylazoxymethanol acetate, mechanisms 6707.
 liver, rats/Walker carcinoma ribosomes, thiopseudourea, effects on 2402.
 lymphoid tissue, polyribosomes activity, limiting factors 6709.
 mammalian cells, inhibition-oligo (A), mechanisms, role-nuclease 6647.
 mitochondria, brain, rats 2688.
 mitochondria, brain regions, rats, during development 6327.
 mitochondria, eggs, *Salmo*, ethidium bromide, effects on 6030.
 mitochondria, kidney, rats, regulation, in vitro 188.
 mitochondria, liver, rats, diabetes, insulin, effects on 4205.
 mitochondria, liver, rats, rifampicin, effects on 3597.
 mitochondria, *Saccharomyces cerevisiae*, purine (2,6-diamino), effects on 6574.
 muscles, rats, fasting, effects on 1928.
Mycococcus, relationship-cell cycle 3026.
 myocardium, rats, mitochondria, AMP (cyclic), effects on 2519.
Neurospora crassa, caffeine, effects on 6027.
Nicotiana tabacum protoplasts, osmotic stress, effects on 298.
Notophthalmus viridescens blastemata, stimulation-insulin, association-nerve function 427.
 Novikoff hepatoma/normal liver cells, magnesium/calcium, effects on 2730.
 nuclei-associated, temperature-sensitive mutant CHO cells 1420.
 patterns, *Drosophila melanogaster* differentiation 790.
 patterns, L cells 5864.
Paulownia tomentosa seeds, during dormancy/light stimulation 3194.
 peptidyltransferase reaction, models 1414.
 phage M13, *Escherichia coli* minicells 2494.
 phage T4 temperature-anisive mutant, initiation codons 4741.
 pheochromocytoma cells, rats, nerve growth factor/AMP (cyclic) analogues, effects on, comparison 6710.
 pituitary, rats, thyroid hormones, effects on 273.
 plasma, hepatocytes, embryos, chickens, immunofluorescence localization 6708.
Platichthys flesus, 17 β -oestradiol, effects on 6280.
 polyribosomes content, *Capsicum annuum* leaves, photoperiod changes 4099.
Polysphondylium pallidum, microcysts, germination 1503.
Portulaca oleracea seeds, light, effects on 3472.
Prunus persica polyribosomes, development 2403.
 rate, during cell cycle, *Saccharomyces cerevisiae* 1065.
 rate, *Stongylocentrotus purpuratus* eggs, fertilization, effects on 4705.
 rates, during cell cycle, *Caulobacter crescentus* 786.
 rates, thymocytes, rats, high altitude adaptation, effects on 4423.
 Rauscher leukaemia virus infected cells, pretazettine hydrochloride, effects on 1423.
 regulation, bacteria, review 4592.
 regulation, reticulocyte lysate, rabbits, mechanisms, haeme-controlled inhibitors, μ se-immune serum 4710.
 regulation, review 1320.
 regulation, *Vaccaria pyramidata* seeds 6333.
 reticulocyte lysate, inhibition-double-stranded RNA, endonuclease activation 932.
 reticulocyte lysate, inhibition-double-stranded RNA, salts concentration, effects on 4232.
 reticulocyte lysate, inhibition-double-stranded RNA, fructose-6-phosphate, effects on 4233.
 reticulocyte lysate, inhibition-double-stranded RNA, role-protein kinase/endonuclease effectors 4850.
 reticulocyte lysate, initiation factor 2 subunits phosphorylation during initiation inhibition 4749.
 reticulocyte lysate, initiation factors complex formation, factors requirement 4139.
 reticulocyte lysate, stimulation-AMP (cyclic)/hexose phosphate 2970.
 reticulocytes, rabbits, control-haemin, translation repressors 1899.
Rhizobium bacteroids, *Lupinus* nodules, polypeptides labelling 6705.
Rhizopus stolonifer sporangiospores, changes during germination 5858.
Rhoeo discolor, temperature effects 299.
 rhythms, during embryogenesis, models 2482.
 ribosomal subunit 30S/ribosomal subunit 50S, *Bacillus insulitus*, temperature, effects on 5868.
 ribosomes, elongation mechanisms, review 1308.
 ribosomes, liver, rats, modeccin, effects on 5899.
 tRNA (leucyl) misreading 214.
 tRNA (phenylalanyl) binding, hamsters, muscular dystrophy, effects on 4127.
 tRNA fMet, *Escherichia coli*, stimulation-spermidine 1918.
 role-lymphocytes T insulin binding sites development 6889.
 role-tRNA termini, review 4601.
Saccharomyces cerevisiae, amino acids deprivation, effects on 4832.
Saccharomyces cerevisiae, inhibition-ammonia 789.
Saccharomyces cerevisiae, inhibition-basic amino acids 1083.
 sea urchins eggs, artificial activation, effects on 5060.
 seminal vesicle, rats, testosterone, effects on 274.
 shut-off, CHO cells, relationship-host range restriction, vaccinia virus infection 2398.
 Sindbis virus-infected chickens cells, sodium/potassium concentration, effects on 6702.
 skeletal muscle, rats, vitamin A deficiency, effects on 190.
 spermatozoa differentiation, mammals, review 1324.
 spleen lymphocytes/bone marrow cells, rats, polyanions, effects on 7204.
Spongilla carteri cells, aggregation, effects on 7196.
Staphylococcus aureus, inhibition-pseudomonic acid, mechanisms 2946.
 stimulation, *Escherichia coli* ribosomes modification-N-bromosuccinimide 4730.
Streptomyces aureofaciens, chlortetracycline, effects on 6018.
 striate cortex, rats, kainic acid injection, effects on 4836.
Strongylocentrotus purpuratus eggs, activation-ammonia, mechanisms 4704.
Stylonychia notophora, metepa, effects on 1990.

Protein biosynthesis, (continued)

- temperature effects, review 2.
testis, rats, age, effects on 839.
Tetrahymena pyriformis, control 2681.
thymus/spleen/bone marrow, rats, protein deficiency, effects on 1894.
Tortula ruralis, temperature effects 1418.
Tradescantia paludosa, role-cell division 3041.
translocation, inhibition-alkaloids, review 1319.
Triticum aestivum embryos during development, proteins content, effects on 4843.
undernourished rats, orotic acid, effects on 290.
Vero cells, suppression-herpes simplex virus 785.
vesicular stomatitis virus, human/monkeys cells, interferon, effects on 3008.
Vibrio (NAG) /Staphylococcus aureus /Escherichia coli, tetracycline + sodium deoxycholate, effects on 6320.
wheat-germ cell-free system, inhibition-aurintricarboxylic acid 4711.
wheat germ cell-free system, inhibition-spermine antibodies 5865.
Xenopus laevis oocytes, regulation factors, mRNA selectivity 5435.
yeasts, comparison-free/membrane-bound ribosomes 3468.
yeasts, heat, *Pichia membranaefaciens* 3619.
yeasts, translocation, inhibition-hygromycin B, mechanisms 3501.
yolk sac tumours, rats, relationship-cytosol mRNA levels 2545.
Zea mays coleoptiles, manganese/auxins, effects on 2509.
Protein kinase,
heart, cattle, phosphorylation-histone H1/histone H2b 595.
inhibition-arginine-rich histones 2836.
initiation factor 2, interferon-induced, isolation/purification 2217.
myocardium, rats, inhibition-adenine-containing drugs 6626.
phosphorylation-initiation factor 3, reticulocytes, rabbits 1925.
ribosomes/chromatin-associated, SV40-transformed cells 2862.
Protein p30,
oncornavirus, interaction-DNA polymerase (RNA-dependent) 2808.
Protein S100,
mRNA, accumulation-glia cells, rats, inhibition-colchicine 914.
Proteinase,
DNA-bound, characterization 3996.
effects on chromatin, rats 3312.
mRNA, *Bacillus megaterium*, half-life 3043.
mRNA biosynthesis, *Bacillus amyloliquefaciens*, regulation 1966.
Proteinase K,
inhibition-ribonuclease 491.
Proteins,
adenovirus (human) 2, complex-DNA, assays 1796.
binding-DNA, mapping, electron microscopy 1299.
bound-adenovirus (human) 5 intracellular DNA termini, detection 7469.
capsid protein, polyoma virus, coding-high molecular weight RNA in vitro 1530.
complex-DNA 5'-terminus, adenovirus, assays 5243.
complex RNA (heterogeneous nuclear), SV40 infected cells, characterization 3989.
composition, chromatin, liver, rats 1264.
cores, adenovirus (human) 2, DNA-binding properties 6524.
cross-linking-DNA, mammalian cells, induction-carcinogens 6107.
cross-linking-mRNA, polyribosomes, L cells, induction-radiation (u.v.) 2982.
cross-linking-RNA, radiation (u.v.) induced, ribosomal subunit 40S, liver, rats 1437.
depletion/refeeding, effects on protein biosynthesis initiation/elongation activity, liver, rats 4709.
trans-dichlorodiammine platinum (II)-induced cross-linking-DNA, leukaemia cells, mice, quantitation, methodology 6542.
dissociation-DNA, models/chromatin 648.
DNA-binding protein, characterization 3983.
DNA complex, isolation/characterization, *Paracentrotus lividus* embryos 3994.
early infection products, adenovirus (human) 2, binding-DNA 5'-terminus 6532.
gene A, phage ϕ X174, purification/characterization 6381.
gene 44/62/gene 45, stimulation-phage T4 DNA polymerase 532.
Halobacterium cutirubrum, complex-rRNA 5S, structure analysis 5244.
histones-like, DNA associated, *Thermoplasma acidophilum*, role 2243.
homology-RNA/DNA sequences, relationship-evolution, computer programs 923.
informosomes, review 2894.
interaction-DNA, assays, fluorescence 3341.
interaction-DNA, equilibrium/kinetics 5241.
interaction-DNA/RNA, assays 4886.
interaction-double-stranded polynucleotides 1865.
interaction-RNA, *Escherichia coli* ribosomes, analysis, use-cross-linking 1430.
interaction-RNA, tomato bushy stunt virus, neutron scattering 1302.
liver, rats, promotion-tRNA binding-ribosomal subunit 40S 4128.
nuclear, hepatoma cells, inhibition-DNA replication 5579.
papaya mosaic virus, sequential encapsidation-heterologous RNA 4563.
patterns, Ehrlich ascites tumour cells polyribosomes 815.
phosphorylation, chromatin/ribosomes, adenovirus (human) 12/murine sarcoma virus transformed cells, monkeys/rats/mice 1265.
phosphorylation, human fibroblasts, double-stranded RNA/interferon, effects on 6900.
Rauscher leukaemia virus, binding-hosts cells DNA, specificity 7474.
read-through protein, phage QB, biosynthesis-*Escherichia coli* cell-free system, magnesium, effects on 6701.
release-deoxyribonuclease I digestion *Drosophila* nuclei, association-chromosome puff 2866.
mRNA, accumulation during myoblasts differentiation, skeletal muscle, quails 6029.
RNA associated, cowpea mosaic virus, characterization 4564.
RNA 5S complex, isolation/characterization, *Xenopus laevis* 3942.
sequence-specific binding-DNA, characterization, use-deoxyribonuclease footprinting 640.
serum, purification, DNA biosynthesis activation 2141.
Smittia eggs, radiation (u.v.)-induced cross-linking-RNA 7479.
5'-terminus-associated, phage ϕ 9 DNA 2822.
tobacco mosaic virus, interaction-poly (A,eA)/poly (C,eC) 1377.
tobacco ringspot virus RNA-associated, occurrence 6535.
vesicular exanthema virus RNA-associated, characterization

Proteins,(continued)

1799.
 VPg protein, poliovirus 1, binding-RNA 1797.
Proteus mirabilis,
 guanosine diphosphate, purification/structure 4653.
 transcription-R factor NR1 DNA 6849.
Protoplasts,
Avena sativa, ribonuclease activity, polyamines, effects on 1153.
Proviruses,
 endogenous, genomes DNA, chickens, sequence detection, restriction endonuclease mapping 6234.
Prunus persica,
 development, polyribosomes, protein biosynthesis 2403.
Psammecichnus miliaris,
 histone H2a, amino acid sequence 2247.
 histones gene expression during cell cycle 2516.
 histones genes, nucleotide sequence 2084.
 histones genes, 3' terminus sequence 6475.
Pseudococcus obscurus,
 chromosomes, DNA biosynthesis, euchromatin/heterochromatin 2686.
Pseudomonas,
 IncP plasmids, isolation/characterization 3660.
Pseudomonas aeruginosa,
 genes, transfer/conjugation 6367.
 linear DNA, transformation/transfection 6338.
 plasmid pMG7, restriction endonuclease, isolation/characterization 7324.
 plasmids DNA, detection, methodology 2016.
 R factor R91-5, DNA insertion mutagenesis 5086.
 radiation (u.v.)-induced DNA repair, phage C5, effects on 7148.
 ribosomes, phage PP7 RNA binding sites, nucleotide sequence/identification-coat protein cistrons 4773.
 transformation-plasmids/phages DNA 5082.
 transformation-R factor RP1 5087.
Pseudomonas BAL-31,
 RNA polymerase, sigma factor/templates homology, transcription, effects on 5141.
Pseudomonas fluorescens,
Escherichia coli *Escherichia coli* K12 F' factors transfer 3214.
 protein biosynthesis, temperature effects 788.
Pseudomonas glycinea,
Pseudomonas aeruginosa, genes transfer/conjugation 6367.
Pseudomonas phaseolicola,
 occurrence-plasmids DNA 4256.
 phage ϕ 6 RNA biosynthesis 891.
 transformation-R factor RSF1010/plasmid pBR322 DNA 7253.
Pseudomonas pseudoalcaligenes,
 plasmids DNA, detection, methodology 2016.
Pseudomonas putida,
 phage gh-1-infected, DNA transcription 6001.
 TOL plasmid derivatives, restriction endonuclease cleavage mapping 5488.
Pseudomonas synxantha,
 adenine deaminase, purification/characterization 2812.
Pseudomonic acid,
 inhibition-*Escherichia coli* tRNA (isoleucyl) synthetase 1409.
 inhibition-protein biosynthesis, *Staphylococcus aureus*, mechanisms 2946.

- Pseudopleuronectes americanus***,
 antifreeze peptides mRNA, translation, environmental effects 4245.
Pseudorabies virus,
 antiviral agents, pyrimidines derivatives 1346.
 defective interfering particles, DNA structure during evolution 7056.
 DNA, replication, concatemers, analysis 4335.
 DNA, structure, electron microscopy 6193.
 DNA polymerase, inhibition-trisodium phosphonoformate 2796.
Pseudouridylylate synthetase I,
Salmonella typhimurium, isolation/purification 2940.
Psoralen,
 derivatives, binding-DNA/RNA, radiation (u.v.)-treated HeLa cells/*Drosophila* cells 6969.
 derivatives, photochemical cross-linking, use-double-stranded regions detection, RNA (heterogeneous nuclear), HeLa cells 4796.
 derivatives, photochemical cross-linking-DNA, epidermis, guinea-pigs, electron microscopy 7088.
 derivatives, photoinactivation-Western equine encephalitis virus RNA/herpes simplex virus 1 DNA 345.
 derivatives, triplet state, reactivity-purines/pyrimidines, use-flash photolysis 5723.
 3-(α,α -dimethylallyl) derivatives, binding-DNA 4890.
 formation-DNA monoadducts, irradiation 2061.
 light, induced cross-linking/relaxation, superhelical DNA, plasmids ColE1 3669.
 photochemical reaction-DNA, kinetics analysis 4891.
 photoinactivation-reovirus genomes RNA, associated enzymes activity, effects on 6907.
Psoriasis,
 DNA-binding protein, characterization, identification-nonhistone proteins 1294.
 human, DNA binding protein, nonhistone proteins, characterization 3336.
Psychotropic drugs,
 effects on DNA biosynthesis, lymphocytes 7217.
 inhibition-DNA biosynthesis, lymphocytes cell culture 5068.
PtK₁ cells,
 kinetochores, ribonucleoproteins localization 5194.
Pulmonary embolism,
 diagnosis, use-DNA assays, plasma 1682.
Pulvomycin,
 effects on RNA biosynthesis, HeLa cells/Ehrlich ascites tumour 3017.
 inhibition-elongation factor Tu + GTP + tRNA (aminoacyl) complex formation 1914.
Purine (2'-(3'-O-Alkyl) nucleoside,
 synthesis 61.
Purine (6-Alkyl) nucleoside,
 synthesis 60.
Purine (8-Alkyl) nucleoside,
 synthesis 60.
Purine (2-Amino),
 induced DNA mutation, mechanisms 7128.
Purine (6-Amino-3-Dimethylallyl),
 structure, X-ray crystallography 671.
Purine (3'-Azido-2',3'-Dideoxyribofuranosyl),
 synthesis 1823.
Purine (6-Benzylamino),
 analysis, methodology 2305.
Purine (6-Chloro)nucleotide,
 interaction-ribonuclease I, spectroscopy (u.v.) 1707.
Purine (8,5'-Cyclo) nucleosides,
 synthesis 2320.

- Purine (2,6-Diamino) nucleoside**, synthesis 697.
- Purine (2,6-Diamino) nucleotide**, synthesis 697.
- Purine (2,6-Diamino)**, induced DNA mutation, mechanisms 7128.
mutagenicity/effects on protein biosynthesis, *Saccharomyces cerevisiae* mitochondria 6574.
- Purine (6-Mercapto) nucleoside**, isosteres, synthesis 698.
- Purine (6-Mercapto)**, interaction-vitamin B12a, kinetics/thermodynamics 1805.
polarographic reduction 672.
- Purine (6-Methyl)**, crystallization/base stacking, water 6555.
inhibition-*Neurospora crassa* growth 3375.
- Purine (9-Methyl)**, complex-copper sulphate, X-ray crystallography 5721.
- Purine (6-Methylamino)**, analogues, conformation 5722.
- Purine (9- β -Ribofuranosyl)**, effects on DNA biosynthesis/RNA biosynthesis, ascites cells 280.
- Purine (8-(4'-Thiazolyl))**, synthesis/screening 1336.
- Purine arabinoside**, analogues, conformational analysis 5758.
synthesis 62.
- Purine 8,5'-Imino cyclonucleosides**, synthesis 1824.
- Purine-nucleoside phosphorylase**, activity, human skin fibroblasts/rabbits kidney cell culture 547.
activity, lymphocytes, human lung tumours 2813.
Bacillus subtilis, purification/characterization 1212.
binding-purine nucleosides, kinetic isotope effects 2212.
binding-substrates/inhibitors, conformation requirements 1741.
deficiency, human, effects on purines/pyrimidines metabolism 551.
distribution-lymphocytes, mammals 1740.
human, mutants subunits, purification/characterization 2809.
inactivation-2,3-butanedione 3269.
interaction-purine nucleosides analogues 1351.
liver, cattle, purification/characterization 552.
liver, chickens, activity, purines, effects on 2811.
liver, pigeons, purification/characterization 2810.
- Purine nucleosides**, 2-S- dioxo isosteres, synthesis 57.
analogues, synthesis/interaction-nucleoside kinase/adenosine deaminase/purine nucleoside phosphorylase 1351.
5'-O-benzoylation 64.
binding-methyl mercury 6579.
binding-purine nucleoside phosphorylase, kinetic isotope effects 2212.
derivatives, synthesis 4627.
effects on purines metabolism, review 4584.
5'-O-glycosylation 64.
sugar exchange reaction 63.
synthesis, methodology 58.
- Purine nucleotides**, conformation, n.m.r., phosphates groups substitution, effects on 3414.
content, *Ascaris lumbricoides* eggs, association-development 722.
- Purines**, see also **specific purines**
alkylation-alkyl halides 4020.
alkylation-tetrabutylammonium fluoride 1339.
antibodies, properties, use-nucleotides conformation determination 4524.
asymmetry 5263.
complex-platinum, review 3353.
condensation-2-deoxyribose, catalysis-amino acids 5748.
derivatives, chromatography (gas), retention index 4612.
derivatives, herpesvirus/influenza/smallpox chemotherapy, review 3360.
2,3-dihydroxypropyl derivatives, synthesis 4018.
effects on purine-nucleoside phosphorylase activity, liver, chickens 2811.
helix formation-complementary pyrimidines polynucleotides, c.d. 4668.
hydration 4019.
in vivo/in vitro transport, liver-erythrocytes, rats 4620.
induction-sporulation, *Bacillus subtilis* 2317.
insertion-DNA, *Escherichia coli* enzymes 4522.
interaction-acetamide, n.m.r. 3369.
interaction-ozone 239.
ionization mass spectrometry 6556.
isolation/identification, *Panax ginseng*, chromatography (high-speed liquid)/chromatography (thin-layer)-densitometry 1349.
metabolism, dietary DNA/RNA, mice 2725.
metabolism, human, purine nucleoside phosphorylase deficiency, effects on 551.
metabolism, purine nucleosides, effects on, review 4584.
methylated, formation, dimethylnitrosamine, DNA, liver, rats, hypophysectomy, effects on 3675.
methylated, production-liver DNA, ats, removal mechanisms 1652.
methylation, effects on transcription fidelity 6814.
pH, effects on, detection-n.m.r. 2304.
prebiosis, role-hydrogen cyanide 2909.
precursors, incorporation-nucleotides pools, bones cells, rats 1817.
radiation (γ), e.s.r. 2308.
reaction-coumarin/4',5'-dihydropsoresalen 6560.
reactivity-psoralen derivatives triplet state, use-flash photolysis 5723.
ring formation, mechanisms 4609.
role-Salmonella typhimurium pyr gene expression 6573.
separation-chromatography (high-pressure liquid) 1819.
stacking interaction-aminoquinoline 25.
strands, complex-pyrimidines strands, structure 6137.
6-substituted, regiospecific substituent effects, n.m.r. 1803.
transport, mammalian cells 4622.
transport/accumulation, *Crithidia fasciculata* 2316.
- Purkinje cells**, cerebellum, embryos, chickens, DNA biosynthesis, association-differentiation 1670.
- Puromycin**, analogues, photoaffinity labelling-peptidyltransferase sites, *Escherichia coli* ribosomes 4106.
analogues, substrates-peptidyltransferase 1912.
analogues, synthesis 5743.
aryl azide analogues, labelling-*Escherichia coli* ribosomes 2426.
effects on *Drosophila hydei* chromosomes DNA biosynthesis 7198.

Puromycin,(continued)

photoaffinity labelling-*Escherichia coli* ribosomes, chloramphenicol/tetracycline, effects on 5890.
photoaffinity labelling-*Escherichia coli* ribosomes, chloramphenicol-induced changes, mechanisms 5891.

Puromycin aminonucleoside, carbocyclic analogues, synthesis 1826.

Putrescine, effects on histone H1-poly (ADP-ribose) complex formation 603.

Putrescine diphosphates, structure, X-ray crystallography, models-DNA/RNA interaction amines 4923.

Pyran copolymer, stimulation-DNA biosynthesis 1094.

Pyrans, inhibition DNA polymerase/DNA nucleotidyltransferase, human cells/simian sarcoma virus 1202.

Pyrene, complex formation-AMP/CMP/GMP/TMP 2923.

Pyricularia oryzae, virus-like particles, RNA, isolation/characterization 4174.

Pyridoxal 5'-Phosphate, activation nucleosidediphosphatase, liver, rats 556.
inhibition-avian myeloblastosis virus DNA polymerase (RNA dependent), tRNA Trp, effects on 5834.

Pyrimidine (2-Acetoacetamido), configuration, n.m.r. 1806.

Pyrimidine (2-Alkyl), rearrangement-2-aminopyridine 6571.

Pyrimidine (6-Amino-5-Nitroso-1,2,3,4-Tetra), derivatives, metals colouration 2309.
derivatives, use-iron determination, spectrophotometry 1810.

Pyrimidine (5-Aryl-3,4-Diamino), synthesis 33.

Pyrimidine (5-Aza) 2'-Deoxynucleosides, synthesis, cytidine (5-aza2'-deoxy) hydrolysis 76.

Pyrimidine (chloro), derivatives, Grignard coupling 677.

Pyrimidine (4,5-Didehydro), trapping, use-furan 6570.

Pyrimidine (4,6-Dihydroxy), interaction-titanium metallocenes, X-ray crystallography 6564.

Pyrimidine (4,6-Dimethyl)1-Oxide, ring-cleavage reaction 4614.

Pyrimidine (4,6-Dithio), interaction-titanium metallocenes, X-ray crystallography 6564.

Pyrimidine (O-Ethyl), removal rates, DNA, human fibroblasts cell lines 6302.

Pyrimidine (5-Fluoro) nucleoside, synthesis/antitumour activity 3388.

Pyrimidine (hydroxy), derivatives, induction-interferon, chickens 4024.

Pyrimidine (pyrrolo-[3,2-d]), derivatives, synthesis/antibacterial activity 2904.

Pyrimidine (5H-Pyrrolo[3,2-d]), synthesis 1807.

Pyrimidine (tetraoxopyrrolo[2,3-d]), condensation-o-phenylenediamine 6572.

Pyrimidine (1,3,4-Thiadiazol[3,2-A]), effects on DNA biosynthesis/RNA biosynthesis/protein biosynthesis, Ehrlich ascites tumour cells 6884.

Pyrimidine (2,4,5-Triamino-6-Hydroxy), role-phenylalanine 4-monooxygenase activity, liver, rats 6578.

Pyrimidine (4,5,6-Trimethyl-2-Diethylamino), substituted, synthesis 5726.

Pyrimidine (trioxopyrrolo[2,3-d]), synthesis 29.

Pyrimidine arabinoside, analogues, conformational analysis 5758.

Pyrimidine deoxytetranucleoside triphosphate, isomers, separation 5791.

Pyrimidine dimers, excision, *Escherichia coli*, role-radiation (u.v.)-induced DNA repair 7145.

excision, exonuclease-deficient *Escherichia coli* 3813.
formation, Chinese hamsters V-79 cells, relationship-cell death 3165.

formation, radiation (u.v.), skin, review 4009.
photoreactivation, assays, DNA, *Poecilia formosa* thyroid cells 4908.

production, radiation (γ), *Escherichia coli* 6990.
radiation (u.v.)-induced, fate, *Escherichia coli* 1080.
Saccharomyces cerevisiae DNA, role-mutagenesis 5552.
transfer radiation (u.v.)-induced DNA repair 7141.

Pyrimidine nucleosides, 2-S- dioxo isomers, synthesis 57.
analysis-chromatography (gas-liquid) 55.

chromatography (thin-layer) 1820.
derivatives, antiviral activity, herpes simplex virus 1 4039.
incorporation-DNA, inhibition-immunosuppressive factor, spleen, cattle 5767.

methylation-trimethyloxosulphonium hydroxide 679.
5-substituted, synthesis 6584.

Pyrimidine nucleotides, analogues, synthesis 124.
biosynthesis, *Escherichia coli*, exogenous adenine/uracil, effects on 1345.

methylation/conformation 2349.

Pyrimidine oligonucleotides, isolation-DNA, erythrocytes, chickens 3419.

Pyrimidines, see also **specific pyrimidines**
alkylation-alkyl halides 4020.
alkylation-tetrabutylammonium fluoride 1339.
asymmetry 5263.

chromatography (thin-layer) 1820.
complex-platinum, review 3353.
condensation-2-deoxyribose, catalysis-amino acids 5748.

derivatives, antiviral agents 1346.
derivatives, chromatography (gas), retention index 4612.
derivatives, cytokinins activity 688.
derivatives, herpesvirus/influenza/smallpox chemotherapy, review 3360.

deuterium-substituted, planar vibrations 28.
dihydro derivatives, radicals, e.s.r. 31.

5,6-disubstituted, reaction-organolithium 32.
halogen substituted, spectroscopy (i.r.)/spectroscopy (Raman) 678.

hydration 4019.
interaction-acetamide, n.m.r. 3369.

interaction-ozone 239.
ionization mass spectrometry 6556.
isolation/identification, *Panax ginseng*, chromatography (high-speed liquid)/chromatography (thin-layer)-densitometry 1349.

metabolism, dietary DNA/RNA, mice 2725.
metabolism, human, purine nucleoside phosphorylase deficiency, effects on 551.

Pyrimidines, (continued)

methylated derivatives, synthesis 675.
 methylation, effects on transcription fidelity 6814.
 methylation-trimethylxosulphonium hydroxide 679.
 n.m.r. 30, 34.
 C-nucleosides, synthesis 90.
 polynucleotides, helix formation-purines, c.d. 4668.
 prebiosis, role-hydrogen cyanide 2909.
 precursors, incorporation-nucleotides pools, bones cells, rats 1817.
 radiation (γ), e.s.r. 2308.
 radiation (γ)-induced dimers formation 6569.
 reaction-coumarin/4',5'-dihydropsoresalen 6560.
 reactivity-psoralen derivatives triplet state, use-flash photolysis 5723.
 separation-chromatography (high-pressure liquid) 1819.
 stacking interaction-aminoquinoline 25.
 strands, complex-purines strands, structure 6137.
 substituted, platinum complex reaction-thiourea, products isolation/characterization 5725.
 5-substituted derivatives, n.m.r. 5733.
 substitution, DNA, phages, cleavage-sequence-specific restriction endonuclease, effects on 5140.
 synthesis, use-diaminomaleonitrile reaction-isocyanate 1809.
 synthesis/conversion, review 1310.
 tracts, distribution-DNA, determination-nearest-neighbour frequency 4298.
 transformation reactions-s-triazines, mechanisms, n.m.r. 1808.
 transport, mammalian cells 4622.
Pyrus communis,
 extraction-polyribosomes, methodology 5884.

Q base,

synthesis 24.

Q factor,

amniotic fluid, cattle, purification/interaction-guanine-insertion enzyme 6684.

Quails,

DNA, homology-chickens/quails/ostriches 1623.

Quasielastic light scattering,

DNA dynamics, ionic strength, effects on 4287.

Quercetin,

regulation-DNA biosynthesis/RNA biosynthesis/protein biosynthesis, Ehrlich ascites tumour cells 3838.

Quinacrine,

binding-plasmids Col E1/calf thymus DNA, comparison chloroquine 4282.

derivatives, interaction-DNA, n.m.r. 969.

effects on RNA biosynthesis, mammary gland explants, mice 6875.

inhibition-radiation (u.v.)-induced DNA repair, L1210 cells 1092.

Quinacrine hydrochloride,

binding-DNA, histones, effects on 4537.

Quinacrine mustard,

complex-DNA, bacteria, fluorescence 4273.

8-Quinolinesulphonyl chloride,

use-oligonucleotides synthesis 129.

Quinomycin C,

binding-DNA, sequence specificity 333.

Rabies virus,

RNA, transcription mapping 861.

RNA biosynthesis, BHK-21 cells 1982.

Radiation,

damage, DNA, comparison-single-stranded/double-stranded 1569.

damage, polynucleotides, relationship-melting transition 143.

damage, uracil (dihydro), radicals, e.s.r. 1343.

effects on chromatin, rats 3312.

effects on nuclear membranes-associated DNA 3072.

effects on protein biosynthesis activity, chromatin, liver/thymus, rats 7440.

induced damage/DNA repair, theories 4017.

induced DNA damage, Chinese hamsters cells 6298.

induction-DNA lesions, liver, rats, Cosmos-690, satellites 3070.

inhibition-DNA biosynthesis/RNA biosynthesis, Guerin

tumour, hypothermia, effects on 4433.

lasers, effects on DNA biosynthesis, Ehrlich ascites tumour cells 7168.

treatment, lymphoid tissue, mice, RNA biosynthesis, phytohaemagglutinin, effects on 6839.

Radiation (γ),

combination-sodium chloride, inhibition-DNA repair/DNA degradation, *Escherichia coli* 2706.

cytosine (iso) crystals, e.s.r. 6562.

damage, *Escherichia coli*, oxygen effects on, photoreactivation 1077.

DNA, effects on secondary structure/biological activity 1570.

DNA, enzymatic digestion, separation oligonucleotides 1143.

DNA inactivation, oxygen, effects on 3074.

effects on calf thymus DNA molecular weight/conformation 5003.

effects on deoxyribonuclease/ribonuclease activity, rats, tissues 4480.

effects on DNA biosynthesis, HeLa cells 1661.

effects on DNA repair, *Micrococcus radiodurans* 5039.

effects on DNA replication, HeLa cells 3823.

effects on DNA replication, HeLa cells, G1 phase 7172.

effects on DNA/RNA/proteins content, *Columba livia* 2114.

effects on nucleosides metabolism, *Physarium polycephalum* 6624.

effects on phage T1 DNA structure 4907.

effects on polyribosomes distribution, regenerating liver, rats 6749.

effects on tRNA (valyl) synthetase, brain, embryos, chickens 3465.

effects on rRNA biosynthesis precursors incorporation, *Tetrahymena pyriformis* 6837.

effects on SV40 DNA replication, permissive cells, kidney, hamsters 7120.

effects on thymidine kinase/DNA polymerase/dTMP kinase activity, bone marrow, rats 536.

Escherichia coli, pyrimidine dimers production 6990.

Escherichia coli DNA, thymine-containing products, characterization 6114.

induced chromosome aberrations, formation mechanisms 4556.

induced damage, DNA, *Bacillus stearothermophilus*, resistance 3810.

induced damage, *Escherichia coli*, DNA repair, comparison-phage λ 7143.

induced damage/DNA repair, brain, mice 2709.

Radiation (γ), (continued)

induced-DNA repair, *Escherichia coli*, caffeine/acriflavine, effects on 7144.
 induced DNA repair, *Escherichia coli*, protection-cysteamine 1654.
 induced lesions, DNA repair, role-*Micrococcus luteus* endonuclease 6383.
 induced mutation, phage λ , cysteamine/DNA repair defects, effects on 4395.
 induced pyrimidines dimers formation 6569.
 purines/pyrimidines, e.s.r. 2308.
 rats, chromosome aberrations, chromatin/DNA, effects on 3331.
 synergism interaction-radiation (γ), *Schizosaccharomyces pombe*, DNA repair 2112.
 treated, liver, rats, RNA biosynthesis, cortisone acetate, effects on 6010.
Radiation (fast neutron),
 induced breakage, DNA repair, mammalian cells 6312.
Radiation (iodine 125),
 induced double-stranded/single-stranded breakage, human kidney cells, DNA repair 5557.
Radiation (ionizing),
 effects on DNA/nucleoids structure, *Escherichia coli* chromosomes 6202.
 effects on metabolism, review 4585.
 induced damage, *Escherichia coli* chromosomes, double-stranded breakage, DNA repair 6287.
 induced single-stranded breakage, DNA repair, *Escherichia coli*, nalidixic acid, effects on 3153.
 induced single-stranded/double-stranded DNA breaks, models 6113.
 induction-phage T7 DNA double-stranded breakage/cross-linking-proteins 4905.
 resistance, human melanoma cell lines, cloning methodology, effects on 2584.
Radiation (synchrotron),
 effects on DNA, comparison-radiation (X) 2586.
Radiation (u.v.),
 + nitrosamines, effects on DNA melting temperature, *Escherichia coli* /chickens erythrocytes 6992.
 + uridine (5-bromodeoxy), effects on DNA biosynthesis, embryo cells, hamsters 7162.
 + uridine (5-bromodeoxy), hamsters embryo cells DNA, induction-neoplastic transformation 960.
 absorbance, *Escherichia coli* tRNA Lys, codons-induced conformation changes 6662.
Bacillus subtilis, induction-adenine independence reversion 1691.
 carcinogenesis, review 3358.
 combination-N-acetoxy-2-acetylaminofluorene, treated, xeroderma pigmentosum radiation (u.v.), DNA repair 7167.
 combination-8-methoxypsoralen, effects on DNA 4281.
 DNA, HeLa cells, pyrimidine dimers excision 2717.
 DNA, polypyrimidine regions thymidine incorporation, human fibroblasts 437.
 DNA denaturation, role-cyclobutane dimers 974.
 DNA repair, cell lines, mammals 3171.
 DNA repair/survival, *Microtus agrestis* cells 6292.
 effects on calf thymus chromatin c.d. 6495.
 effects on/dithranol suppression-DNA biosynthesis, epidermal cells, skin, mice 2708.
 effects on DNA binding-netropsin 6116.
 effects on DNA biosynthesis, epidermis, mice 6294.
 effects on DNA biosynthesis, *Escherichia coli* dnaA mutant 5030.
 effects on DNA immune complexes formation, mice 3934.

effects on DNA polymerase α /DNA polymerase β /DNA polymerase γ activity, CV1 cells 5154.
 effects on DNA repair, tumour cells, mammary gland, mice 5053.
 effects on DNA repair/DNA replication, liver cells, rats/human leucocytes 4402.
 effects on DNA replication, review 5719.
 effects on influenza virus mRNA transcription 6834.
 effects on nucleoproteins structure 7410.
 effects on phage Q β variants RNA structure/templates activity 4769.
 effects on phage T1 DNA structure 4907.
 effects on phage T4 uracil (5-bromo)-containing DNA 6993.
 effects on phage T7/calf thymus DNA conformation 4946.
 effects on RNA biosynthesis/ribosomes content, *Pinus silvestris* pollen 6843.
 effects on SV40 DNA biosynthesis, CV-1 cells 3147.
 effects on SV40 DNA sensitivity-phage T4 endonuclease V 6286.
 endonuclease V-sensitive cytosine (5-hydroxymethyl) products, phage T4 DNA 3075.
Escherichia coli, protection-radiation (X), inhibition-nitrofurantoin 1079.
 fractionation-uridine (bromodeoxy)-substituted DNA, chromatin, CHO cells 5212.
 human fibroblasts, DNA repair 7181.
 hydrogen peroxide, induced DNA proteins cross-linking, phage T7 7466.
 inactivated *Acholeplasma laidlawii*, DNA repair, acriflavine, effects on 3148.
 inactivation-influenza virus RNA biosynthesis 6835.
 induced, damage, *Escherichia coli*, post-replication DNA repair, role-DNA polymerase I 7372.
 induced, DNA fragmentation, Xeroderma pigmentosum 6115.
 induced, DNA repair, distribution-human fibroblasts 6304.
 induced, DNA repair, distribution-human/mice cells 6313.
 induced, DNA repair, human actinic keratosis skin fibroblasts 2713.
 induced, DNA repair, human fibroblasts, age, effects on 2119.
 induced, DNA repair, human placenta cell culture 7166.
 induced, DNA repair, role-*Escherichia coli*, defective mutant 3149.
 induced, DNA repair patterns, metaphase/interphase chromosomes 6303.
 induced, histones-DNA adducts, nuclei, calf thymus, histones isolation 2240.
 induced damage, *Anabaena variabilis*, DNA repair/photoreactivation 7151.
 induced damage, *Azotobacter vinelandii*, DNA repair 7135.
 induced damage, DNA, *Bacillus stearothermophilus*, resistance 3810.
 induced damage, DNA repair, *Dictyostelium discoideum* radiation-sensitive mutants 5551.
 induced damage, DNA repair, *Escherichia coli* sbcA mutant 5034.
 induced damage, DNA repair, human light-sensitive skin diseases 4406.
 induced damage, DNA repair, *Mycoplasma buccale* 7147.
 induced damage, DNA repair, *Potorous tridactylus* 434.
 induced damage, *Escherichia coli*, DNA repair, DNA turnover, effects on 5548.
 induced damage, *Escherichia coli*, DNA repair, comparison-phage λ 7143.
 induced damage, *Gloeocapsa alpicola*, DNA repair 7152.
 induced damage, human, DNA repair defect 438.

Radiation (u.v.), (continued)

- induced damage, human fibroblasts, DNA repair 7169.
 induced damage, normal/ataxia telangiectasia/Fanconi's anaemia/Bloom's syndrome/Cockayne syndrome human cells, DNA repair excision 3822.
 induced damage, *Paramecium tetraurelia* DNA, photoreactivation, effects on 5040.
 induced damage, phage λ /phage T4, DNA repair 7129.
 induced damage, plasmids ColE1 hybrids, DNA repair 5027.
 induced DNA damage, HeLa cells 5469.
 induced DNA degradation, *Escherichia coli*, exonuclease activity 6377.
 induced DNA repair, association-nucleosomes rearrangement, human chromatin 631.
 induced DNA repair, *Bacillus subtilis* mutant 7136.
 induced DNA repair, chromatin, normal/xeroderma pigmentosum human fibroblasts 7170.
 induced DNA repair, *Dictyostelium discoideum* radiation-sensitive/resistant strains 5550.
 induced DNA repair, DNA polymerase III deficient *Escherichia coli*, pyrimidines dimers transfer 7141.
 induced-DNA repair, *Escherichia coli*, caffeine/acriflavine, effects on 7144.
 induced DNA repair, human leucocytes, age, effects on 7177.
 induced DNA repair, human skin fibroblasts, inhibition-hydroxyurea 7171.
 induced DNA repair, L1210 cells, inhibition-quinacrine/anthralin 1092.
 induced DNA repair, *Pseudomonas aeruginosa*, phage C5, effects on 7148.
 induced DNA repair, role-pyrimidines dimers excision, *Escherichia coli* 7145.
 induced DNA repair, xeroderma pigmentosum/Cockayne syndrome 5556.
 induced excision DNA repair, human lymphocytes B/lymphocytes T, hydroxyurea/cytosine arabinoside, effects on 6308.
 induced genes mutagenesis, *Saccharomyces cerevisiae*, cdc mutant, effects on 7150.
 induced photooxidation-nucleosides/nucleotides, 2'-acetylformanilide, effects on 5749.
 induced post-replication DNA repair, normal/xeroderma pigmentosum cells 7180.
 induced RNA cross-linking-proteins, *Smittia* eggs 7479.
 induced tRNA interaction-*Escherichia coli* ribosomes, cross-linked ribosomal proteins identification 6751.
 induced RNA-proteins cross-linking, ribosomal subunit 40S, liver, rats 1437.
 induction-*Aspergillus nidulans* DNA degradation 6991.
 induction-DNA repair/chromosome aberrations, human fibroblasts 5559.
 induction-free radicals, DNA 4909.
 induction-mutagenesis, chromosomes, mice 1789.
 induction-phenylalanine ammonia-lyase/flavanone synthase mRNA, *Petroselinum hortense* 3626.
 induction-mRNA cross-linking-proteins, polyribosomes, L cells 2982.
 induction-thymine dimers, sensitivity, relationship-cell cycle 6300.
 interaction-methyl methanesulphonate, induced DNA repair, *Escherichia coli* K12 7138.
 lethal interaction-DNA damage agents, *Escherichia coli*, modification 5546.
 mammalian cells, DNA strands breakage, tryptophan/riboflavin, effects on 4910.
 mapping, phage ϕ X174/page S13 promoters 991.
 mutagenesis, *Escherichia coli*, role-uvr gene/rec gene 2160.
 mutagenesis, *Saccharomyces cerevisiae* 3679.
 mutagenesis, *Saccharomyces cerevisiae*, initiation 2707.
 phage λ , DNA repair/recombination inhibition-DNA gyrase inhibitors 1075.
 phage fd DNA cross-linking-gene 5 protein 6521.
 photolysis products, *Physarum polycephalum* DNA, analysis, replication 1063.
 phytohaemagglutinin-stimulated lymphocytes, DNA repair 6310.
 post-replication DNA repair, mammalian cells, models 440.
 products, DNA, synthesis 685.
 pyrimidine dimers formation, skin, review 4009.
 resistance, human melanoma cell lines, cloning methodology, effects on 2584.
 RNA cross-linking-ribosomal proteins, *Escherichia coli* ribosomes 6536.
Saccharomyces cerevisiae, induced DNA repair, mechanisms 1657.
 saturation, effects on excision DNA repair, human lymphocytes 6311.
Schizosaccharomyces pombe, survival/mutagenesis, role-caffeine-sensitive DNA repair 3158.
 sensitivity, *Saccharomyces cerevisiae* respiratory adaptation 1656.
 sensitivity-low molecular weight RNA biosynthesis, HeLa cells 6022.
 skin carcinoma induction, mice, DNA repair, AMP (cyclic) modification, effects on 3173.
 synergism interaction-radiation (γ), *Schizosaccharomyces pombe*, DNA repair 2112.
 treated, cytomegalovirus, stimulation-DNA biosynthesis, embryo fibroblasts, human/mice 2696.
 treated, *Micrococcus luteus*, post-replication DNA repair/sister chromatid exchange, chloramphenicol, effects on 5038.
 treated HeLa cells/*Drosophila* cells, DNA/RNA binding-psoralen derivatives 6969.
 treated HeLa/Chinese hamster cells cells, single-stranded DNA breakage 353.
 treated mammalian cells, survival rates 352.
 treated phage ϕ X174, DNA biosynthesis inhibition sites 6285.
 treated phages, DNA repair, excision, *Bacillus subtilis* 3809.
 treated plasmids/phages, double-stranded DNA, transformation-*Escherichia coli* 7242.
 treated retina ganglion cells, rats, DNA repair, relationship-age 3162.
 treated vesicular stomatitis virus, inhibition-RNA biosynthesis, myeloma cells, mice 6045.
 use-adenovirus (human) 2 RNA initiation sites mapping 4319.
 use-genes/transcription unit mapping, review 5713.
 xeroderma pigmentosum cells, DNA biosynthesis recovery, role-DNA repair, excision 7154.
Radiation (visible light),
 induced damage, DNA repair, *Potorous tridactylus* 434.
Radiation (X),
 CHO cells, chromosome aberrations, assays 3329.
 degradation-DNA, thymus/bone marrow, rats 6994.
 effects on chromatin structure/templates activity, rats 3959.
 effects on DNA, comparison-radiation (synchrotron) 2586.
 effects on DNA biosynthesis, caffeine/adenine-treated CHO cells/V-79 cells 2118.
 effects on DNA biosynthesis, Mullerian ducts, embryos, chickens 1658.
 effects on DNA biosynthesis, V-79 cells 7179.
 effects on DNA repair, tumour cells, mammary gland, mice 5053.
 effects on free/bound deoxyribonuclease activity, spleen, rats

Radiation (X),(continued)

3890.
effects on RNA biosynthesis, liver, rats, following adrenalectomy 6840.
effects on RNA biosynthesis/ribosomes content, *Pinus silvestris* pollen 6843.
effects on RNA polymerization/nucleoside triphosphates incorporation, liver, rats 1516.
effects on RNA transfer, liver nuclei, rats 5426.
HeLa cells, DNA repair, cytosine arabinoside, effects on 3824.
induced, DNA repair, association-survival, cell culture 1660.
induced chromosome aberrations, *Crepis capillaris*, uridine (5-fluoro-2-deoxy)/thymidine, effects on 5774.
induced DNA repair, HeLa cells, hyperthermia, effects on 6305.
induced DNA single-stranded/double-stranded breaks, L cells, cysteamine/2-aminoethylisothiuronium bromide/2-mercaptopropionylglycine, effects on 6998.
induced double-stranded breakage, *Saccharomyces cerevisiae*, DNA repair mechanisms 4398.
induced single-stranded breakage, DNA repair, comparison-insects/mammalian cells 6307.
induced sister chromatid exchange, C3H cells, mice, 12-O-tetradecanoylphorbol 13-acetate/antipain/leupeptin, effects on 5226.
intrauterine exposure, effects on DNA repair, spleen lymphocytes, rats 6297.
Micrococcus denitrificans, Auger effect-DNA 2057.
protection-radiation (u.v.), *Escherichia coli*, inhibition-nitrofurantoin 1079.
single-stranded breakage, DNA repair, mammalian cells, inhibition-caffeine (8-bromo) 439.
thymus, rats, DNA biosynthesis, relationship-histones/nonhistone proteins biosynthesis 3163.
treated, Chinese hamsters cells, survival, exogenous DNA, effects on 5584.
treated *Escherichia coli*, ATP/deoxynucleoside triphosphates dependent DNA repair, role-exonuclease V/exonuclease VIII 7142.
uridine (5-bromodeoxy), radicals formation/analysis 4636.
- Radioprotective agents,**
effects on DNA biosynthesis/AMP (cyclic) content, mice, spleen 3833.
effects on DNA repair/DNA degradation, nuclei/chromatin, liver, rats 4403.
- Rana,**
content, DNA 2020.
- Rana catesbeiana,**
liver, carbamyl phosphate synthetase I mRNA, translation-rabbits reticulocytes/thyroxine induction 6917.
liver, ribonuclease, purification/properties 7312.
liver, tRNA, characterization 1398.
liver nuclei, ribonucleoproteins complex, characterization 6468.
liver nuclei, ribonucleoproteins complex, proteins changes during development 6469.
- Rana pipiens,**
embryos, RNA (heterogenous nuclear) size during development 5395.
embryos, mRNA diversity control during development 6801.
liver, tRNA methyltransferase, activity during development 4688.
- Rana temporaria,**
oocytes, RNA-binding protein, incorporation-informosomes 5236.
oocytes, RNA-binding protein, isolation 644.
oocytes, RNA-binding protein, role-informosomes formation 3335.
- Raphanus sativus,**
roots, zeatin, isolation/identification 4610.
satellite DNA, isolation/characterization 5008.
seeds/seedlings, ribonucleoproteins particles, isolation/characterization 5196.
- Raspberry ringspot virus,**
RNA, poly (A) content 5968.
- Rauscher leukaemia virus,**
DNA polymerase (RNA-dependent), purification, binding-protein p30 1189.
DNA polymerase (RNA-dependent)-associated ribonuclease H, inhibition-RNA 504, 1160.
genomes, RNA, intracellular distribution, determination 2974.
infected cells, protein biosynthesis, pretazettine hydrochloride, effects on 1423.
infected mice, DNA polymerase (RNA-dependent), microsomes, spleen, purification 7378.
infected spleen, mice, RNA polymerase I/RNA polymerase II/RNA polymerase III, properties 6416.
infected spleen, mice, RNA polymerase I/RNA polymerase II, methotrexate, effects on 7345.
injected spleen, mice, DNA polymerase (RNA-dependent), purification/characterization 7380.
proteins, binding-hosts cells DNA, specificity 7474.
mRNA, translation-cell-free system, products identification 4240.
transformed cells, RNA content 1455.
- Recombinant,**
DNA, applications, review 5254.
DNA, expression, review 5698.
- Recombination,**
DNA, genetic engineering, review 666.
DNA, review 13.
DNA, SV40-infected cells, review 665.
DNA, use-phage λ , review 663.
frequency, phage T7 DNA 1125.
genes, review 6550.
intermediates, formation in vitro, detection, assays 4439.
phage λ , radiation (u.v.), inhibition-DNA gyrase inhibitors 1075.
phage λ , review 664.
review 662.
role-DNA repair, double-stranded breaks, CHO cells 6299.
role-*Escherichia coli* recA gene products 2765.
sites-specific, phage λ , DNA strands exchange 4447.
use-phage single-stranded DNA, review 661.
- Red clover mottle virus,**
replication, *Pisum sativum*, ribavirin, effects on 6601.
- Reductones,**
ascorbic acid-related, reaction-DNA/RNA 975.
- Renin,**
precursors mRNA, translation-wheat germ/reticulocyte lysate cell-free system 6070.
- Reovirus,**
double-stranded RNA, coding-polypeptides, identification 1531.
genomes RNA, photoinactivation-psoralen, effects on associated enzymes activity 6907.
human/cattle/mice, double stranded RNA genomes segments, electrophoretic mobility 5956.
infection, inhibition-SV40 transformed WI-38 cells 2103.
poly (A)-containing RNA, bound proteins, identification 7475.
pyrimidines-rich oligonucleotides, fate following infection

Reovirus,(continued)

4671.
 mRNA, caps methylation, L929 cells, interferon, effects on 5957.
 mRNA, interaction-ribosomal subunit 40S, edeine, effects on 818.
 mRNA, ribosomal subunit 40S migration during initiation inhibition, wheat germ/reticulocyte lysate 5903.
 RNA, structure/RNA polymerase templates activity, photochemical cross-linking 2980.
 mRNA, 5'-terminus, nucleotide sequence 1476.
 mRNA translation, role-guanosine (7-methyl) caps 3638.
 5'-terminus guanosine (7-ethyl) caps-containing mRNA, biosynthesis/translation 6906.
 virion associated poly (A) polymerase, activation mechanisms 5632.
Replicative form,
 DNA, phage ϕ K, replication-*Escherichia coli* dnaB mutant/dnaC mutant 3801.
 DNA, phage f1, isolation-circular DNA 3661.
 DNA, strands, phage f1, DNA biosynthesis initiation 3793.
Replicative intermediates,
 DNA, phage P4/*Escherichia coli*, size distribution 6158.
 late, accumulation-DNA replication, SV40 5542.
Repressors,
 cro repressor, phage λ , effects on transcription in vitro 3987.
 genes, transposon Tn3 translocation, plasmid pMC391, identification/characterization 7251.
 interaction-operators, control 5240.
 lac repressor, binding-*Escherichia coli* lactose operator 3343.
 lactose repressor, association-lactose operator, role-ionic strength 4565.
 lactose repressor, binding-cores proteins, operators DNA 6538.
 lactose repressor, *Escherichia coli*, association-poly d(A-T) 1305.
 lactose repressor, *Escherichia coli*, binding-inducers 3991.
 lactose repressor, *Escherichia coli*, lactose operator recognition, models 653.
 lactose repressor, *Escherichia coli*, mobility, n.m.r. 4569.
 lactose repressor, *Escherichia coli*, structure, n.m.r. 4567.
 lactose repressor, interaction-lactose operon control regions 3250.
 lactose repressor, interaction-lactose operator, ions concentration, effects on 3340.
 lactose repressor, interaction-lactose operator, adenine-thymine transversion, effects on 6537.
 lactose repressor, interaction-operator, glycerol/dimethyl sulphoxide, effects on 1304.
 lactose repressor, modified, *Escherichia coli*, characterization 651.
 lactose repressor, mutants, *Escherichia coli*, isolation/characterization 4566.
 lactose repressor, mutations, *Escherichia coli*, characterization 650.
 lactose repressor, N-terminus fragments, binding-lactose operator 2872.
 lactose repressor, wild type/mutants, binding-*Escherichia coli* DNA 5681.
 phage λ , regulation-genes, review 668.
 phage λ , N-terminus, binding-operators DNA, transcription control 5677.
 phage Mu, interaction-DNA 5242.
Restriction endonuclease,
Agrobacterium tumefaciens, effects on plasmids/plants DNA 1169.
 analysis, globin genes, human DNA 1055.

analysis, herpes simplex virus 1 DNA 1596.
 analysis, phage P1/phage P7 genomes DNA, comparison 7037.
 analysis, phage T5 DNA 3104.
 analysis, R factor RSF2124 + plasmid pLS11 3705.
 analysis, *Vicia faba* DNA 6261.
 analysis-*Autographa californica* nuclear polyhedrosis virus DNA 1598.
 analysis-ColIb DNA 7019.
 analysis-Novikoff hepatoma DNA 6254.
 analysis-*Rhizobium trifolii* /*Rhizobium meliloti* /*Rhizobium japonicum* chromosomes DNA, mutants identification 6211.
 analysis-*Streptococcus pyogenes* plasmids DNA 7023.
 assays, bacteria 2786.
 assays, use-phage T4 cytosine-substituted DNA 7293.
Bacillus amyloliquefaciens, isolation/characterization 3235.
Bacillus globigii, purification/characterization 3238.
Bacillus sphaericus, purification/characterization 1714.
Bacillus stearothermophilus, purification/properties/specificity 3240.
Bacillus subtilis, DNA recognition sequence, localization-methylated nucleotides 3753.
 cleavage, sensitivity-circular DNA, *Crithidia acanthocephali* kinetoplasts, heterogeneity 3759.
 cleavage mapping, adenovirus (bovine) 3 DNA 1002.
 cleavage mapping, JC virus DNA 3740.
 cleavage mapping, phage ϕ 105 DNA 990.
 cleavage mapping, phage ϕ 105/phage ρ 10/phage ρ 14 DNA 989.
 cleavage mapping, phage P22 DNA 6157.
 cleavage mapping, *Pseudomonas putida* TOL plasmid derivatives 5488.
 cleavage mapping, transposon Tn10 3095.
 cleavage maps, DNA, mitochondria, rats 6242.
 cleavage maps, phage BF23 DNA 6151.
 cleavage patterns, SV40 temperature-sensitive mutant DNA 2634.
 cleavage-polyoma virus DNA, effects on tumorigenicity 7294.
 cleavage sites, DNA, polyoma virus mutants 1599.
 cleavage sites, phage T5 DNA, mapping 1589.
 cleavage sites, rRNA gene, embryos, chickens 6236.
 determination-recognition sites, computer programs 1718.
 digestion-uridine (5-bromodeoxy) containing DNA, phage λ 3236.
 DNA cleavage, termini quantitation, use-polynucleotide kinase exchange reaction 5118.
 DNA cleavage sites mapping, methodology 7003.
 DNA fragments, electrophoretic mobility, antibiotics, effects on 4937.
Escherichia coli, mechanisms, electron microscopy 6395.
Escherichia coli hsdM mutant, purification/characterization 1167.
 fragmentation-adenovirus (human) 1 DNA 2619.
 fragmentation/mapping-phage λ DNA 2606.
 fragments, DNA, plasmid pRZ2, fractionation 6144.
 fragments, *Neurospora crassa* rRNA gene, analysis/cloning-phage λ 7072.
 fragments, poxvirus/cowpox virus/vaccinia virus/monkeypox virus/variola virus DNA, electrophoresis 1014.
 fragments, SV40, nucleotide sequence 4958.
Fusobacterium nucleatum, characterization 3242.
Fusobacterium nucleatum, purification/characterization 3241.
Haemophilus influenzae, purification/characterization 5137.
 mapping, characterization-plasmid pCR1/plasmid pCR11 7021.

Restriction endonuclease,(continued)

- mapping, computer programs 3244.
 mapping, *Escherichia coli* F factors DNA 1607.
 mapping, R factor R1drd-19 3092.
 mapping, SV40 DNA cleavage 388.
 mapping, use-DNA evolution comparison, mitochondria, primates 5002.
 mapping *Autographa californica* /*Trichoplusia ni* /*Galleria mellonella* nuclear polyhedrosis virus DNA 6187.
 mapping-*Bacillus subtilis* phage SP01 DNA 6160.
 mapping-Bk virus DNA 2074.
 mapping-*Escherichia coli* lipoproteins genes DNA 7061.
 mapping-*Escherichia coli* rRNA gene 4974.
 mapping-genomes DNA, chickens, detection-endogenous proviruses sequence 6234.
 mapping-human γ -globin genes loci 5531.
 mapping-phage G4 DNA 998.
 mapping-phage P2 DNA 4943.
 mapping-phage P2/phage 186 DNA 4942.
 mapping-phage T4 cytosine containing DNA 6164.
 mapping-phage T4 cytosine-containing DNA 6167.
 maps, adenovirus (simian) 38 DNA 6174.
 phage P1, SV40 DNA, cleavage/methylation sites 4482.
 plasmid pMG7, *Pseudomonas aeruginosa*, isolation/characterization 7324.
 plasmid P15, mechanism-reaction 530.
 purification, use-Cibacron blue F3GA-agarose 1715.
 restriction endonuclease AluI, cleavage sites, polyoma virus DNA, mapping 3745.
 restriction endonuclease AraII, recognition sites, determination, use-computer program 2787.
 restriction endonuclease Bam-HI, fragments, adenovirus DNA, characterization 1004.
 restriction endonuclease Bam H1, *Bacillus amyloliquefaciens*, purification/characterization 5139.
 restriction endonuclease BamX, *Bacillus amyloliquefaciens*, digestion-phage ϕ 105C DNA, recognition sequence determination 7327.
 restriction endonuclease BclI, *Bacillus caldolyticus*, purification/characterization 1716.
 restriction endonuclease Bsu, cleavage-DNA, use-Y chromosome translocation diagnosis 3239.
 restriction endonuclease EcoCK, identification, *Escherichia coli* 5136.
 restriction endonuclease EcoRI, analysis-*Tupaia belangeri* lymphosarcoma herpesvirus DNA 6183.
 restriction endonuclease EcoRI, cleavage-DNA sequence 6400.
 restriction endonuclease EcoRI, cleavage-DNA, plasmid pMB9/phage λ , mechanisms 5138.
 restriction endonuclease EcoRI, degradation-*Bacillus licheniformis*/*Bacillus thuringiensis* phage DNA 485.
 restriction endonuclease EcoRI, DNA cleavage sites mapping, phage T5 mutants 6163.
 restriction endonuclease EcoRI, *Escherichia coli*, substrates-dependent mechanisms 1171.
 restriction endonuclease EcoRI, *Escherichia coli*, modified activity, characterization 7326.
 restriction endonuclease EcoRI, fragments, Novikoff hepatoma DNA, characterization 5532.
 restriction endonuclease EcoRI, fragments, adenovirus (human 2 DNA, mapping 6172.
 restriction endonuclease EcoRI, sensitivity, phage f1 insertion mutant 6355.
 restriction endonuclease EcoRI, X-ray diffraction 1170.
 restriction endonuclease KpnI, *Klebsiella pneumoniae*, DNA recognition sequence 1717.
 restriction endonuclease MspI, cleavage-*Haemophilus parainfluenzae* /*Haemophilus aphrophilus* methylated DNA 513.
 restriction endonuclease MspI, use-methylated cytosine detection, DNA 4924.
 restriction endonuclease SalI, mapping-R factor NR1/R factor NR84/R factor R6 4307.
 restriction endonuclease SalP1, *Streptomyces albus*, restriction-phage R4 2782.
 review 5257.
Rhodopseudomonas sphaeroides, purification/characterization 7325.
 sequence-specific, *Anabaena oscillarioides*, isolation/characterization 5618.
 sequence-specific, cleavage-DNA, phages, pyrimidines substitution, effects on 5140.
 sequence-specific, *Neisseria gonorrhoeae*, identification 3237.
 sequence-specific, *Streptococcus faecalis*, characterization 5617.
 solubilization-chromatin, liver, rats, characterization-electron microscopy 1775.
Streptomyces aureofaciens, characterization 1168.
Streptomyces lavendulae, purification/characterization 6401.
Streptomyces stanford, purification/characterization 2187.
Streptomyces stanfordii, localization-cleavage sites, adenovirus (human) 2/adenovirus (human) 5 DNA 6173.
 use-African green monkeys cells satellite DNA organization 6246.
 use-genetic engineering, review 5258.
Reticulocyte lysate,
 cell-free system, initiation factor M3-dependent translation-capped/uncapped mRNA 830.
 cell-free system, translation, inhibition-patulin 4125.
 initiation factor 2, analysis-phosphorylation 833.
 protein biosynthesis, inhibition-double-stranded RNA, endonuclease activation 932.
 protein biosynthesis, initiation factors complex formation, factors requirement 4139.
 protein biosynthesis elongation, potassium concentration, effects on 1454.
Reticulocytes,
 chickens, chromatin fractions, immunological properties 616.
 membranes, components, inhibition-protein biosynthesis elongation 5362.
 membranes, rabbits, ribonuclease M, isolation/characterization 3886.
 nuclei, low molecular weight RNA localization 224.
 protein biosynthesis elongation, potassium concentration, effects on 1454.
Reverse transcriptase, see **DNA polymerase (RNA-dependent)**,
Reverse transcription,
 prolactin mRNA, reticulocyte lysate, pituitary, rats 7203.
 turnip yellow mosaic virus/Andean potato latent virus genomes RNA templates, products characterization 7121.
RFL cells,
 chromatin, DNA, double-stranded breakage-adrenalone aromatic reductones 358.
Rheumatoid factor,
 reaction-nucleosomes, erythrocytes, chickens 5655.
Rhinovirus,
 infection, human, fungal double-stranded rhinovirus (human) 4, effects on 222.
Rhinovirus (human) 2,
 infected human lung embryo cells, exogenous poly (A) processing 5313.

Rhinovirus (human) 4.

double-stranded, fungal, effects on human rhinovirus infection 222.

Rhizobium,

bacteroids, *Lupinus* nodules, protein biosynthesis, polypeptides labelling 6705.

DNA content 6088.

infected roots nodules, *Glycine max*, poly (A)-containing mRNA sequence complexity 6811.
nucleoids, tertiary structure 3328.

***Rhizobium japonicum*,**

chromosomes DNA, restriction endonuclease analysis, mutants identification 6211.

P plasmids, transfer 6368.

***Rhizobium leguminosarum*,**

mutants, gene mapping 5104.
transfer-kanamycin antibiotic resistance transposons 3851.

***Rhizobium meliloti*,**

chromosomes DNA, restriction endonuclease analysis, mutants identification 6211.

DNA, thymidine incorporation 7191.

plasmids, DNA, isolation/characterization 2559.

plasmids, identification/characterization, electrophoresis 7243.

plasmids, role-phage sensitivity 1695.

R factor RP4, characterization 7254.

R factor RP4, use-gene mapping 5117.

***Rhizobium trifolii*,**

chromosomes DNA, restriction endonuclease analysis, mutants identification 6211.

***Rhizoctonia solani*,**

plasmids, identification 5110.

viruses, infection, role-double-stranded RNA 5367.

***Rhizopus stolonifer*,**

infection, *Ipomoea batatas* roots, effects on DNA/RNA/proteins content 4435.

sporangiospores, occurrence-poly (A)-containing RNA 5927.

sporangiospores, mRNA/protein biosynthesis changes during germination 5858.

Rhodamine sarcoma,

growth, rats, effects on tissues-specific nonhistone proteins distribution 2847.

Rhodium,

interaction-DNA 6960, 7012.

***Rhodnius prolixus*,**

nuclei. DNA content 2558.

***Rhodopseudomonas capsulata*,**

plasmids DNA, characterization 6139.

***Rhodopseudomonas sphaeroides*,**

DNA biosynthesis, ethidium bromide, effects on 4417.

R factor R ϕ 6P, prophages properties 2069.

restriction endonuclease, purification/characterization 7325.

***Rhodospirillaceae*,**

genetics, review 2897.

***Rhodospirillum rubrum*,**

RNA polymerase/polynucleotide adenyllyltransferase, purification/characterization 2191.

***Rhodotorula glutinis*,**

RNA biosynthesis, relationship-sodium chloride tolerance 6861.

thymine,2-oxoglutarate dioxygenase/thymidine,2-

oxoglutarate dioxygenase activity, characterization 1237.

***Rhodotorula gracilis*,**

RNA biosynthesis, oxygen, effects on 1519.

***Rhoeo discolor*,**

RNA biosynthesis/protein biosynthesis, temperature effects

299.

***Rhynchosciara americana*,**

polytene chromosomes, repetitive DNA sequence distribution 4991.

salivary gland, mRNA translation 3642.

***Rhynchosciara angelae*,**

chromosomes, hydroxyurea, effects on 3326.

Ribavirin,

analogues, synthesis 70.

C-analogues, synthesis 92.

effects on oncornavirus multiplicity/activity 5298.

effects on red clover mottle virus replication, *Pisum sativum* 6601.

effects on RNA biosynthesis, tobacco mosaic virus/infected plants 3625.

effects on RNA polymerase (RNA-dependent) induction/polyribosomes formation, influenza A virus infected cell culture 3260.

inhibition-RNA biosynthesis, influenza A virus-infected MDCK cells, mechanisms/specificity 5776.

inhibition-Sindbis virus production/cytopathogenesis, *Aedes albopictus* cells 3399.

inhibition-subacute sclerosing panencephalitis virus/measles virus replication 1647.

inhibition-tomato white necrosis virus infection, *Lycopersicon esculentum* 2697.

phosphate derivatives, synthesis/antiviral activity 1371.
synthesis 4034.

Riboflavin,

effects on radiation (u.v.) induced DNA strands breakage, mammalian cells 4910.

Ribonuclease,

activity, assays, role-sodium chloride concentration 7304.
activity, *Avena sativa* protoplasts, polyamines, effects on 1153.

activity, development, *Pisum* seeds during germination 5126.

activity, hepatoma/host liver, rats 281.

activity, *Hordeum vulgare*, *Erysiphe graminis* infection, effects on 4476.

activity, interferon, human lymphoblastoid cell lines 6388.

activity, interferon treated L cells, mengovirus infection, effects on 3882.

activity, ionic strength, effects on 7305.

activity, mammary gland, rats, stimulation-calcium 2773.

activity, occurrence-ribonucleoprotein (heterogeneous nuclear), HeLa cells 7416.

activity, parotid/salivary gland, rats, adults/neonates 1150.

activity, rats, tissues, radiation (γ), effects on 4480.

activity, ribosomes, hepatocytes/hepatomas, rats/mice 1704.

activity, ribosomes, *Trigonella foenum graecum* /*Glycine max* cotyledons 493.

activity, serum, normal/cancer, human 1149.

activity, skeletal muscle, rats, exercise, effects on 5128.

activity, *Staphylococcus aureus*, relationship-enterotoxins biosynthesis 7307.

Agave cantala, resolution, chromatography (column) 3271.
Anacystis nidulans, characterization 7311.

Artemia salina embryos, purification/characterization 2775.

Aspergillus niger, detergents, effects on 6384, 6385.

Bacillus intermedius, amino acid sequence 4473, 7306.

Bacillus intermedius, purification/characterization 5127.

Bacillus intermedius, secondary structure, c.d. 4474.

biosynthesis, *Penicillium brevi-compactum*, RNA/AMP, effects on 303.

biosynthesis, transcription, regulation-auxins, beans 4825.

biosynthesis, wounds-induced, *Brassica rapa* roots tissues, regulation-ethylene 4477.

Ribonuclease,(continued)

cell surface-associated activity, assays 5613.
 chromatin-associated, activation-oestradiol, oviduct, chickens 1705.
 degradation-polyribosomes, serum, rabbits, protection-heparin 5132.
 detection, methodology 2774.
 effects on tumour cells/seminal vesicle cells/
 phytohaemagglutinin-stimulated lymphocytes 5614.
 enzyme models, β cyclodextrinylbisimidazole 1152.
Escherichia coli, phage T4 tRNA Pro specificity, purification/characterization 1706.
 free, polyribosomes, isolation-kidney, rats 6724.
 HeLa cells, isolation/characterization 492.
 HeLa cells lysosomes, characterization 7315.
Hordeum vulgare leaves, activity during early *Erysiphe graminis* infection 6386.
 horses pancreas, asparagine-bound glycopeptide, primary structure 1154.
 hydrolysis-uridylyl (3'-5')-adenosine, models 3221.
Hymenolepis diminuta, degradation-RNA 4860.
 inhibition-sodium dodecyl sulphate/diethyl pyrocarbonate/proteinase K/heparin 491.
 inhibitors, effects on RNA transport, rats hepatocytes nuclei, in vitro 2529.
 interaction-DNA, binding constants determination 4266.
 interaction-UMP (cyclic) 1151.
 isoenzymes, identification 2771.
 levels, human, normal/kidney diseases 2173.
 multiple forms, kidney, pigs 3222.
Penicillium claviforme, dinucleoside phosphates synthesis, acceptors modification, effects on 6656.
Penicillium claviforme, substrate specificity 5125.
Phaseolus aureus, activity, salinity, effects on 3883.
 polyribosomes-associated, purification/characterization 4475.
 precursors, pancreas, cattle, biosynthesis/activity 7310.
 purification, methodology, review 2290.
Rana catesbeiana liver, purification/properties 7312.
 ribonucleoproteins, nucleoli, liver, rats, characterization 6470.
 seminal vesicle, cattle, activity, labelling, effects on 2770.
Streptomyces rimosus, immobilization 2772.
Streptomyces rimosus, isolation/characterization 4472.
 structure, c.d./spectroscopy (absorption)/fluorescence 6387.
 3'-terminus-specific activity/purification, use-tRNA precursors 494.
 vitelline membrane, eggs, chickens, solubilization/characterization 7309.
 yolk/albumen, eggs, chickens, substrate specificity 7308.
Ribonuclease I,
 activity, human plasma/leucocytes, nutrition, effects on 1156.
 activity, skeletal muscle, rats, neurectomy, effects on 496.
 activity, sporulation, *Saccharomyces cerevisiae* 1708.
 activity/conformation, nucleotides, effects on 5130.
 analogues, synthesis/activity 497.
 binding-adenylyl-3',5'-cytidine, spectroscopy (u.v.) 2175.
 biosynthesis, *Bacillus mesentericus*, exogenous factors, effects on 3223.
 biosynthesis, *Penicillium brevicompactum*, pH/temperature, effects on 3881.
 bromoacetate-modified, n.m.r. 3224.
 cross-linked-polyspermine, binding-poly (A.U), kinetics 7313.
 digestion-proteinase 3225.
 dimers, pancreas, cattle, antitumour activity 5129.
 ester, pancreas, cattle, structure/activity 499.
 folding, acids catalysis 1155.
 folding behaviour 3226.
 hydrogen exchange, spectroscopy (u.v.) 498.

interaction-3'-AMP analogues, n.m.r. 3885.
 interaction-AMP/GMP/purine (6-chloro)nucleotide/AMP (8-bromo), spectroscopy (u.v.) 1707.
 isolation-*Bacillus subtilis* 3884.
 leukaemia, rats, deoxyribonuclease 2785.
 multiple forms, kidney, pigs 3222.
 pancreas, cattle, kinetics 6392.
 pancreas, cattle, reaction mechanisms 1157.
 reaction mechanisms, simulations 7314.
 renaturation intermediates, characterization 6391.
 serum/urine, activity, human, burns, effects on 495.
Uromastix hardwickii liver, purification/characterization 2174.
Ribonuclease II,
 activity, skeletal muscle, rats, neurectomy, effects on 496.
 activity, sporulation, *Saccharomyces cerevisiae* 1708.
 activity, *Tetrahymena pyriformis*, changes during cell cycle 7316.
Aspergillus, inhibition-iron (III) 2177.
 biosynthesis, *Penicillium brevicompactum*, pH/temperature, effects on 3881.
 isoenzymes, *Zea mays* 500.
 leukaemia, rats, deoxyribonuclease 2785.
Ribonuclease III,
 activity, sporulation, *Saccharomyces cerevisiae* 1708.
 cleavage-vesicular stomatitis virus RNA/mRNA 4253.
 deficient *Escherichia coli*, mRNA metabolism 908.
 digestion-poliovirus 1 RNA, 5'-terminus-containing fragments, identification 1475.
 embryo cells, mice, purification/characterization 2178.
Escherichia coli, cleavage-poliovirus RNA 4859.
Escherichia coli, effects on phage ϕ X174 RNA biosynthesis 6000.
Escherichia coli, role-phage T4 tRNA Gln biosynthesis 5131.
Ribonuclease F,
 isolation/characterization, L cells, role-interferon activity 3228.
Ribonuclease H,
 activity, liver, rats, thioacetamide, effects on 3887.
 activity, oncornavirus, DNA polymerase (RNA-dependent)-associated, detection 7319.
 calf thymus, purification, methodology 506.
Daucus carota-derived cell culture, purification/characterization 7317.
 DNA polymerase associated, avian myeloblastosis virus, DNA synthesis 7364.
 Krebs II ascites cells, isolation/characterization 7318.
 liver, rats, purification/characterization 2776, 2777.
 nuclei, liver, rats, purification/characterization 1710.
 oncornavirus, DNA polymerase (RNA-dependent)-associated activity, o-phenathroline, effects on 7320.
 Rauscher leukaemia virus/avian myeloblastosis virus DNA polymerase (RNA-dependent)-associated, inhibition-RNA 1160.
 Rauscher leukaemia virus DNA polymerase (RNA-dependent)-associated, inhibition-RNA 504.
 Rous sarcoma virus, N-methyl isatin β -thiosemicarbazone-copper complex, effects on 1738.
Ribonuclease M,
 membranes, reticulocytes, rabbits, isolation/characterization 3886.
Ribonuclease N,
Escherichia coli, characterization 503.
Ribonuclease P,
Escherichia coli, role-rRNA precursors cleavage 2179.
Escherichia coli, separation/reconstitution-RNA + proteins

Ribonuclease P, (continued)

components 7321.

Ribonuclease S,

complex-adenosine, conformational analysis 5275.

complex-AMP (8-oxo)/AMP (8-bromo)/AMP (8-thio),

structure 4479.

complex-uridylyl-(3'-5')-adenosine fluorine analogues, X-ray crystallography 1158.

interaction adenylyl-(3',5')-cytidine 501.

Ribonuclease S',

N-terminus, conformation, c.d. 1709.

Ribonuclease T1,

conformation, n.m.r. 3227.

diazonium 1-(H)-tetrazole-modified, interaction-cytidine + guanine nucleotides 2176.

digestion, phage MS2 RNA fragments 1469.

interaction-dinucleotides, kinetics 1159.

interaction-GMP alkyl esters, kinetics 502.

interaction-trinucleotides, kinetics 5615.

oligonucleotides, Moloney leukaemia virus/HIX virus, comparison 1940.

recognition sites, bases specificity 6393.

Ribonuclease U2,

dinucleoside monophosphate specificity 505.

Ustilago sphaerogena, chemical modification 6394.**Ribonucleoprotein (heterogeneous nuclear),**

characterization-associated proteins 5191.

HeLa cells, occurrence-ribonuclease activity 7416.

HeLa cells nuclei, characterization 588.

structure determination, use-nuclease digestion 5656.

structure/function, review 1332.

Ribonucleoprotein (messenger),

albumin, liver cytosol, fasting rats, identification 2235.

comparison-RNA-binding protein, reticulocytes, rabbits 3986.

eukaryotes cells, isolation, oligo (dT)-cellulose chromatography 6471.

liver, rats, characterization, comparison-normal/neoplastic 2832.

muscles, embryos, chickens, electrophoresis analysis 5659.

normal liver/hepatoma, mice, characterization 2996.

particles, poly (A) containing, embryos, chickens, isolation/characterization 3943.

polyribosomes, reticulocytes, ducks, globin mRNA 15S, interaction-proteins 7415.

precursors, rearrangement during ribonuclease hydrolysis 6464.

sea urchins, translation-cell-free system 3293.

Secale cereale, sedimentation properties 591.*Secale cereale* embryos, biosynthesis during development 5197.**Ribonucleoproteins,**

antibodies, detection, human connective tissue diseases 6462.

assembly/processing, nucleoli, mammals cells, toyocamycin, effects on 2422.

chromatin nonhistone proteins, erythroblasts, pigeons, characterization 607.

complex, avian reticuloendotheliosis virus-transformed bone marrow cells, chickens, isolation/characterization 2231.

complex, liver, rats, RNA (small nuclear) association-RNA (heterogeneous nuclear) 2833.

complex, nuclei, liver, *Rana catesbeiana*, characterization 6468.complex, nuclei, liver, *Rana catesbeiana*, proteins changes

during development 6469.

complex, nuclei/cytoplasm, mice, characterization, liver/hepatomas 1243.

complex, occurrence-RNA, erythroleukaemia cells, mice 1245.

complex, vesicular stomatitis virus, characterization 7413.

cores, ribosomal subunit 50S, *Escherichia coli* 2410

coronavirus, structure 2831.

cytoplasm, Friend leukaemia virus infected cells, mice, characterization 6465.

distribution-spindles, *Triturus* lung cells 3941.*Escherichia coli* ribosomal subunit 50S, purification/characterization 2407.*Halobacterium cutirubrum*, stabilization-potassium chloride 584.

helix, Sendai virus nucleocapsids, topography 6466.

hepatocytes, liver regeneration, effects on 1242.

human carcinoma cells, nucleotide sequence analysis 7417.

influenza A virus, assembly, inhibition-canavanine 5190.

influenza A virus, association-chromatin, infected cells 5657.

influenza virus, characterization 2232.

influenza virus, RNA, secondary structure 5951.

kinetochores, PtK₁ cells, localization 5194.

liver, rats, exonuclease/endonuclease, cleavage-mRNA precursors 3294.

liver cells, rats, autoradiography 1244.

messenger, *Petroselinum sativum* cell culture, isolation/characterization 590.

mouse hepatitis virus/coronavirus (murine), characterization 5955.

nuclear, isolation/characterization, human serum, use-anti-nuclear ribonucleoproteins antibodies 5192.

nucleoli, liver, rats, characterization 6470.

occurrence/characterization, Sendai virus-infected Ehrlich ascites tumour cells 3290.

particles, isolation/characterization, *Raphanus sativus* seeds/seedlings 5196.

particles, mRNA precursors, characterization 3531.

poly (A)-containing, membranes-associated, *Artemia salina* embryos, characterization 3940.

post-transcription association-chromatin, Zajdela hepatoma cells 1758.

ribonucleoprotein 40S, characterization-associated proteins 5191.

RNA (heterogeneous nuclear) particles, HeLa cells, organization 587.

mRNA, *Strongylocentrotus purpuratus* embryos, translation efficiency, comparison-mRNA 6915.

RNA biosynthesis/release, liver nuclei, rats, characterization 4536.

mRNA-containing, characterization, encephalomyocarditis virus infected Krebs II ascites cells 5189.

mRNA-containing, lymphocytes, spleen, mice, characterization 2234.

mRNA precursors-containing, structure determination 3939.

tobacco mosaic virus, complex-poly (C.eC), energy transfer 5814.

transport, liver nuclei, rats, protein biosynthesis inhibition-cycloheximide, effects on 4097.

ultrastructure, CHO cells, actinomycin D, effects on 5193.

Ribonucleoside-diphosphate reductase, biosynthesis, *Escherichia coli*, regulation, relationship-DNA biosynthesis 572.

calf thymus, regulation 7397.

Ehrlich ascites cells, reconstitution 571.

Ehrlich ascites tumour cells, subunits association 1232.

Escherichia coli, inhibition-ADP arabinoside 4055.

- Ribonucleoside-diphosphate reductase, (continued)**
kinetics, CHO cells 3278.
- Ribonucleoside triphosphatase,**
activity, *Escherichia coli* dnaB gene 1744.
- Ribonucleoside-triphosphate reductase,**
altered activity, Epstein-Barr virus replication-associated,
D98/HR-1 cells/Raji cells 1236.
- Lactobacillus leichmannii*, inhibition-CTP arabinoside 4055.
- Ribonucleotide reductase,**
activity, *Propionibacterium shermanii*, assays, use-
chromatography (thin-layer) 3930.
- Escherichia coli*, tyrosine free radicals, e.s.r. 1235.
human cells, heterogeneity 3279.
- Vicia faba* / *Glycine max*, characterization 4523.
- Ribosomal protein B-L3,**
Bacillus stearothermophilus ribosomes peptidyltransferase
sites, chemical modification 1900.
- Ribosomal protein B-L9,**
Bacillus subtilis, amino acid sequence determination,
comparison-*Escherichia coli* ribosomal protein L7/L12
5867.
- Ribosomal protein BL17,**
ribosomal subunit 50S, *Bacillus stearothermophilus*,
crystallization 6711.
- Ribosomal protein Ly,**
Escherichia coli, characterization, relationship-ribosomal
protein L12/ribosomal protein L7 1427.
- Ribosomal protein L1,**
Escherichia coli, amino acid sequence 4717.
- Ribosomal protein L3,**
Escherichia coli, amino acid sequence determination 5348.
Escherichia coli, physicochemical properties 5873.
methylation genes, *Escherichia coli*, mapping 4969.
- Ribosomal protein L5,**
interaction-*Escherichia coli* rRNA 5S 2421.
- Ribosomal protein L6,**
mutations, effects on protein biosynthesis, gentamicin-
resistant *Escherichia coli* 2425.
- Ribosomal protein L7,**
complex-ribosomal protein L10, *Escherichia coli*, physical
properties 803.
Escherichia coli, relationship-ribosomal protein Ly 1427.
methylation, *Escherichia coli*, temperature effects 806.
- Ribosomal protein L7/L12,**
binding-*Escherichia coli* ribosomal protein L10 5346.
complex-ribosomal protein L10, binding-RNA 23S,
ribosomal protein L11, effects on 5889.
Escherichia coli, complex-ribosomal protein L10,
stoichiometry/reconstitution 5870.
Escherichia coli, dimerization, role-N-terminus 1902.
Escherichia coli, interaction-ribosomes, role-dimerization
1426.
Escherichia coli, structure 1431.
localization-ribosomal subunit 50S, electron microscopy
3479.
- Ribosomal protein L10,**
complex-ribosomal protein L7, *Escherichia coli*, physical
properties 803.
complex-ribosomal protein L7/L12, binding-RNA 23S,
ribosomal protein L11, effects on 5889.
Escherichia coli, complex-ribosomal protein L7/L12,
stoichiometry/reconstitution 5870.
Escherichia coli, ribosomal protein L7/L12/RNA 23S
binding sites 5346.
mRNA, *Escherichia coli*, translation 934.
- Ribosomal protein L11,**
binding-RNA 23S, ribosomal protein L7/L12 + ribosomal
protein L10 complex, effects on 5889.
- Escherichia coli*, heat denaturation 5874.
- Escherichia coli*, methylation, role-guanosine tetraphosphate
biosynthesis 4119.
methylation genes, *Escherichia coli*, mapping 4969.
- Ribosomal protein L12,**
Artemia salina / liver, rats, purification/characterization 4111.
Escherichia coli, biosynthesis regulation-phage λ rifd18
DNA 5089.
- Escherichia coli*, methionine oxidation, effects on biological
activity 1444.
- Escherichia coli*, relationship-ribosomal protein Ly 1427.
methylation, *Escherichia coli*, temperature effects 806.
mRNA, *Escherichia coli*, translation 934.
- Ribosomal protein L13,**
Escherichia coli, amino acid sequence 4716.
- Ribosomal protein L14,**
phosphorylation, Krebs II ascites cells 206.
- Ribosomal protein L16,**
liver, rats, purification/characterization 5882.
modification-ethoxyformic anhydride 3502.
- Ribosomal protein L18,**
interaction-*Escherichia coli* rRNA 5S 2421.
RNA binding sites, relationship-*Escherichia coli* rRNA 5S
ribonuclease-resistant regions 5969.
- Ribosomal protein L21,**
genes, *Escherichia coli*, mapping 7065.
- Ribosomal protein L22,**
genes mutants, *Escherichia coli*, ribosomal subunits
assembly 6726.
- Ribosomal protein L24,**
Escherichia coli, physicochemical properties 5873.
Escherichia coli, rRNA 23S binding sites, RNA-RNA
interaction 799, 2412.
Escherichia coli, role-assembly 1441.
- Ribosomal protein L25,**
interaction-*Escherichia coli* rRNA 5S 2421.
RNA binding sites, relationship-*Escherichia coli* rRNA 5S
ribonuclease-resistant regions 5969.
- Ribosomal protein L27,**
genes, *Escherichia coli*, mapping 7065.
- Ribosomal protein S1,**
binding-poly (U), methylation, effects on 3496.
effects on ribosomes conformation, *Escherichia coli* 1432.
Escherichia coli, binding affinity-ribosomes 4104.
Escherichia coli, binding-phage ϕ X174 DNA/phage MS2
RNA, effects on structure 848.
Escherichia coli, binding-ribosomal subunit 30S, role-
ribosomal protein S9 196.
- Escherichia coli*, DNA/RNA binding sites, structure/
properties 1290.
- Escherichia coli*, DNA/RNA binding sites, specificity/
cooperativity 1291.
- Escherichia coli*, flexibility, fluorescence polarization 5872.
- Escherichia coli*, interaction-DNA/ribosomal subunits,
binding constants determination 4266.
- Escherichia coli*, n.m.r. 5871.
- Escherichia coli*, ribosomes-binding fragments,
characterization 4102.
- Escherichia coli*, role-initiation complex assembly 3494.
- Escherichia coli*, structure, comparison-ribosomal protein A
5347.
- Escherichia coli*, X-ray crystallography 1424.
- Escherichia coli* mutants, isolation/characterization 5345.
genes mutation, *Escherichia coli*, genetic analysis 7271.
- Ribosomal protein S3,**
Escherichia coli ribosomal subunit 30S, hydrodynamics
6716.

phosphorylation, Krebs II ascites cells 206.

Ribosomal protein S4,

binding-*Escherichia coli* rRNA 16S fragments, effects on c.d./unfolding 5387.

binding-rRNA 16S, effects on conformation 4109.

Escherichia coli, complex-RNA 16S, X-ray scattering 805.

Escherichia coli, conformation, neutron scattering 1428.

Escherichia coli, heat denaturation 5874.

Escherichia coli, structure, c.d. 1425.

Escherichia coli, N-terminus, role-ribosome subunit 30S function 804.

fragments, role-*Escherichia coli* ribosomes assembly 2419.

Ribosomal protein S5,

Escherichia coli, amino acid sequence 3480.

Escherichia coli, shape, characterization-*Escherichia coli*, ribosomal protein S5, shape, characterization 2950.

Ribosomal protein S6,

BHK cells, phosphorylation 2418.

Escherichia coli, post-translation modification 6714.

Tetrahymena pyriformis, phosphorylation, role-ribosomes catabolism 4122.

3T3 cells, phosphorylation during early G phase 6738.

Ribosomal protein S7,

Escherichia coli, amino acid sequence 800.

Escherichia coli, conformation, neutron scattering 1428.

Escherichia coli, heat denaturation 5874.

radiation (u.v.) induced cross-linking-rRNA 16S, *Escherichia coli* ribosomal subunit 30S, sites, identification 3477.

Ribosomal protein S8,

binding sites-containing rRNA 16S fragments, *Escherichia coli*, isolation/characterization 6732.

Escherichia coli, amino acid sequence 3481.

Escherichia coli, binding sites, rRNA 16S, structure 5386.

Escherichia coli, conformation, neutron scattering 1428.

Escherichia coli, heat denaturation 5874.

Escherichia coli, X-ray crystallography 1424.

Ribosomal protein S9,

Escherichia coli, role-ribosomal protein S1-ribosomal subunit 30S binding 196.

Ribosomal protein S12,

role-translation/transcription, *Escherichia coli* streptomycin-resistant mutant 3488.

Ribosomal protein S15,

binding sites-containing rRNA 16S fragments, *Escherichia coli*, isolation/characterization 6732.

Escherichia coli, binding sites, rRNA 16S, structure 5386.

Escherichia coli, heat denaturation 5874.

Escherichia coli, X-ray crystallography 1424.

genes, *Escherichia coli*, mapping 7065.

Ribosomal protein S16,

Escherichia coli, conformation, neutron scattering 1428.

Escherichia coli, heat denaturation 5874.

Escherichia coli, X-ray crystallography 1424.

Ribosomal protein S17,

Escherichia coli missense mutant, ribosomes assembly, effects on 4116.

Escherichia coli ribosomal subunit 30S, hydrodynamics 6716.

Ribosomal protein S18,

Escherichia coli, fluorescence derivatives, use-mRNA binding studies 5878.

Escherichia coli, heat denaturation 5874.

Escherichia coli ribosomes, mRNA binding sites, identification 4108.

Ribosomal protein S20,

Escherichia coli, X-ray crystallography 1424.

genes, localization-*Escherichia coli* 5508.

mutation, CHO cells, relationship-emetine, drug resistance 3505.

Ribosomal protein S25,

liver, rats, purification/characterization 5882.

Ribosomal protein 44,

Saccharomyces cerevisiae, amino acid sequence determination 5880.

Ribosomal proteins,

A-site/P-site, *Escherichia coli* ribosomes, interaction-tRNA 215.

alterations, emetine resistant CHO cells 5901.

assembly-polyribosomes precursors/ribosomal subunits, mammalian cells, kinetics 6737.

Bacillus subtilis thiostrepton/micrococin resistant mutant, alterations 6712.

biosynthesis, during cell cycle, *Saccharomyces cerevisiae* 3467.

biosynthesis, *Escherichia coli*, nutritional shifts, effects on 284.

biosynthesis, *Escherichia coli* ribosomal subunit 30S assembly temperature-sensitive mutant 5885.

biosynthesis, *Escherichia coli* ribosomal subunit 50S assembly temperature-sensitive mutant 5886.

biosynthesis/assembly, L cells, toyocamycin, effects on 6736.

biosynthesis/incorporation-ribosomes, phage λ infected

Escherichia coli minicells 4115.

characterization, *Saccharomyces cerevisiae* 5879.

characterization/molecular weight determination, liver, rats 4112.

Chinese hamsters cells, emetine drug resistance mutants, analysis 3488.

chloroplasts, *Chlamydomonas reinhardtii* yellow mutant, characterization 4720.

chromatography (affinity)-r, identification, liver, binding-interaction 3475.

complex-RNA 5S, *Halobacterium cutirubrum* ribosomal subunit 50S, purification/characterization 1904.

composition, *Tetrahymena pyriformis* /*Tetrahymena thermophila* ribosomes 5349.

cross-linked, radiation (u.v.)-induced tRNA interaction-

Escherichia coli ribosomes, identification 6751.

cross-linking 4-(6-formyl-3-azidophenoxy)butyrimidate 4713.

cross-linking-RNA, *Escherichia coli* ribosomal subunits, use-symtriazine trichloride 3478.

cross-linking-rRNA 16S, *Escherichia coli*, initiation factor 3, effects on 2966.

cross-linking-RNA 16S, *Escherichia coli* ribosomal subunit 30S 1429.

defects, ribosomal subunit 30S, *Escherichia coli* polyamines dependent mutants 5892.

dissociation-*Escherichia coli* polyribosomes, magnesium starvation, effects on 6728.

electrophoresis 192.

Escherichia coli, accumulation during relaxation control 6025.

Escherichia coli, binding-erythromycin 2960.

Escherichia coli, biosynthesis regulation-selective mRNA inactivation 6727.

Escherichia coli, c.d., rRNA binding, effects on 807.

Escherichia coli, conformation changes during ribosomal subunits 30S assembly 6731.

Escherichia coli, cross-linking-2-iminothiolane 2409.

Escherichia coli, identification, methodology 4110.

Escherichia coli, streptomycin operon/spectinomycin operon, promoters, nucleotide sequence 2078.

Escherichia coli ribosomal subunit 30S, interaction-rRNA 16S, effects on conformation 3493.

Ribosomal proteins,(continued)

Escherichia coli ribosomal subunit 30S, modification-2-iminothiolane 2408.

Escherichia coli ribosomal subunit 30S, tertiary structure predictions 3482.

Escherichia coli ribosomes, cross-linking-RNA, radiation (u.v.) 6536.

Euglena gracilis, biosynthesis sites, chloroplasts/cytoplasm 1910.

eukaryotes, stimulation-*Escherichia coli* stringent factor 2424.

gene amplification, *Escherichia coli* ColEI, effects on transcription/translation 7238.

genes, clusters, *Escherichia coli*, nucleotide sequence 4973.

genes, *Escherichia coli*, association-RNA polymerase β -subunit genes 391, 1605.

genes, *Escherichia coli*, expression-plasmids clones 7273.

genes, *Escherichia coli* temperature sensitive mutant, mapping 2642.

genes, expression-*Escherichia coli*, use-plasmid pNO1001 6363.

genes, transcription coordination-RNA polymerase genes, *Escherichia coli* 4970.

HeLa cells, cross-linking-RNA, sodium periodate 1440.

interaction, role-ribosomes assembly 4725.

interaction-rRNA, *Escherichia coli* ribosomal subunit 50S 4107.

interaction-rRNA 5S/rRNA 5.8S/tRNA, ribosomes, liver, rats 3486.

iodination, magnesium/polyamines, effects on 5352.

L cells, phosphorylation patterns, ricin, effects on 4738.

liver, rats, antigens, properties 2826.

liver, rats, cross linking-initiation factor 2 4723.

liver, rats, identification, electrophoresis 4721.

liver, rats, isolation/amino acid sequence 199.

liver, use, purification, methodology 5881.

methylation, *Saccharomyces cerevisiae* ribosomal subunit 40S 1434.

myeloma cells, mice, phosphorylation 3489.

nomenclature 4013.

pairs, *Escherichia coli* ribosomal subunit 50S, identification-2-iminothiolane cross-linking 3476.

phosphorylated, *Saccharomyces carlsbergensis*, characterization 816.

phosphorylated, vaccinia virus-infected HeLa cells, identification/characterization 4101.

phosphorylation, *Physarum polycephalum* 4719.

rats liver ribosomal subunit 60S, purification/characterization 1439.

reductive methylation, use-ribosomes conformation analysis, liver, rats 813.

ribosomal subunit 30S, cross-linking-rRNA 16S 6713.

ribosomal subunit 50S, *Escherichia coli*, binding-rRNA 23S 6717.

rRNA-associated, identification, *Saccharomyces cerevisiae* 3484.

role-peptidyltransferase activity, *Escherichia coli* ribosomal subunit 50S 6744.

role-mRNA/tRNA binding-*Escherichia coli* ribosomal subunit 50S 1172.

rplJ gene/rplL gene, *Escherichia coli*, cotranscription-RNA polymerase rpoBC gene 2161.

Saccharomyces carlsbergensis, methylation 811.

structure, comparison, liver, chickens/rats 812.

Tetrahymena pyriformis, starvation induced phosphorylation 3500.

Ribosomal subunit 30S,

assembly, *Escherichia coli*, ribosomal proteins conformation changes 6731.

assembly, *Escherichia coli*, RNA 16S conformation changes 6730.

Bacillus insolitus, isolation, protein biosynthesis activity, temperature, effects on 5868.

Bacillus stearothermophilus / *Bacillus subtilis* / *Escherichia coli*, c.d. 194.

binding-tRNA (phenylalanyl), medium, effect on 1919.

binding-mRNA, role lysine ϵ -amino groups 797.

binding-tRNA Phe, centrifugation speed during subunits separation, effects on 1447.

complex-tRNA (aminoacyl) + polynucleotides, dissociation, role-initiation factor 3 3506.

depletion, effects on polarity, *Escherichia coli* 6740.

Escherichia coli, function, role-ribosomal protein S4 N-terminus 804.

Escherichia coli, association-DNA-binding protein 1292.

Escherichia coli, binding-initiation factor 3, role-RNA 16S 3'-terminus 824.

Escherichia coli, binding-initiation factor 1, role-ribosomes dissociation 826.

Escherichia coli, binding-ribosomal protein S1, role-ribosomal protein S9 196.

Escherichia coli, binding-tRNA fMet, poly (U) dependence 5908.

Escherichia coli, binding-tRNA fMet, stimulation-spermidine 1918.

Escherichia coli, binding-tRNA Phe 821.

Escherichia coli, conformation, heterogeneity 5875.

Escherichia coli, hydrodynamics, complex formation-initiation factor 3, effects on 6742.

Escherichia coli, inactivation-ammonium 6741.

Escherichia coli, initiation complex formation, role-initiation factor 3 825.

Escherichia coli, interaction-poly (U) 5894.

Escherichia coli, localization-tRNA, electron microscopy 4105.

Escherichia coli, nucleoproteins fragments, isolation/characterization 4714.

Escherichia coli, radiation (u.v.) induced ribosomal protein S7-rRNA 16S cross-linking, sites, identification 3477.

Escherichia coli, ribosomal protein S3/ribosomal protein S17, hydrodynamics 6716.

Escherichia coli, ribosomal proteins, interaction-rRNA 16S, effects on conformation 3493.

Escherichia coli, ribosomal proteins, modification-2-iminothiolane 2408.

Escherichia coli, ribosomal proteins cross-linking-RNA 16S 1429.

Escherichia coli, rRNA 16S 3'-terminus localization 6718.

Escherichia coli, shape/conformation/stability 5876.

Escherichia coli, structure, electron microscopy 5877.

interaction-phase MS2 RNA, inhibition-ribosomal subunit 50S 4117.

ribosomal proteins, cross-linking-rRNA 16S 6713.

ribosomal proteins, *Escherichia coli*, tertiary structure predictions 3482.

ribosomal proteins defects, *Escherichia coli* polyamines dependent mutants 5892.

Ribosomal subunit 40S,

binding-tRNA, promotion-proteins, liver, rats 4128.

initiation factors, muscles, chickens embryos,

Ribosomal subunit 40S.(continued)

chromatography (affinity) fractionation, myosin/globin mRNA 4746.

interaction-reovirus mRNA, edeine, effects on 818.

liver, rats, conformation, phosphorylation/ribosomal subunits interaction, effects on 4114.

liver, rats, radiation (u.v.)-induced RNA-proteins cross-linking 1437.

rabbis reticulocyte lysate, binding-tRNA fMet, inhibition-haem iron controlled translation repressors 4129.

Saccharomyces cerevisiae, ribosomal proteins methylation 1434.

Tetrahymena pyriformis, isolation/characterization 1905.

wheat germ/reticulocyte lysate, migration during initiation inhibition, reovirus mRNA 5903.

Ribosomal subunit 50S.

Bacillus insolitus, isolation, protein biosynthesis activity, temperature, effects on 5868.

Bacillus stearothermophilus / *Bacillus subtilis* / *Escherichia coli*, c.d. 194.

Escherichia coli, assembly, in vitro, kinetics 817.

Escherichia coli, binding-mRNA/tRNA, role-ribosomal proteins 1172.

Escherichia coli, cross-linking-2-iminothiolane, identification-ribosomal proteins pairs 3476.

Escherichia coli, electron microscopy, methodology 195.

Escherichia coli, ethionine-containing, assembly, methylation dependence 3495.

Escherichia coli, peptidyltransferase activity, role-ribosomal proteins 6744.

Escherichia coli, ribonucleoproteins, purification/characterization 2407.

Escherichia coli, ribonucleoproteins cores 2410.

Escherichia coli, ribosomal proteins binding-rRNA 23S 6717.

Escherichia coli, ribosomal proteins-rRNA interaction 4107.

Escherichia coli, structure, electron microscopy 4103.

Halobacterium cutirubrum, RNA 5S-ribosomal proteins complex, purification/characterization 1904.

inhibition-phage MS2 RNA interaction-ribosomal subunit 30S 4117.

localization-ribosomal protein L7/L12, electron microscopy 3479.

maturation, *Escherichia coli* polyribosomes 2420.

peptidyltransferase activity/ribosomal protein L16, modification-ethoxyformic anhydride 3502.

ribosomal protein BL17, *Bacillus stearothermophilus*, crystallization 6711.

Ribosomal subunit 60S,

liver, rats, elongation activity, N-ethylmaleimide/iodoacetamide, effects on 3510.

mice ascites cells/hamsters fibroblasts, protein (acidic), characterization 201.

phosphoprotein Ly, characterization, ascites cells/skeletal muscle, rats 814.

rats liver, ribosomal proteins, purification/characterization 1439.

Tetrahymena pyriformis, isolation/characterization 1905.

Ribosomal subunits,

assembly, *Escherichia coli* ribosomal protein L22 genes mutants 6726.

Bacillus cereus, isolation 2404.

bacteria, in vitro binding-virginiamycin S 2955.

bacteria, in vitro binding-virginiamycin M 2956.

dissociation/reassociation, bacteria, pressure, effects on 203.

Escherichia coli, binding-chloramphenicol acetylated derivatives 2958.

Escherichia coli, electron microscopy 2411.

Escherichia coli, interaction-kanamycin, inhibition-translocation 1443.

Escherichia coli, interaction-neomycin B/kanamycin B 6743.

Escherichia coli, isolation, use-Sepharose chromatography 2405.

Escherichia coli, reassociation, neutron scattering 1442.

Geotrichum candidum, structure, electron microscopy 2414.

mammalian cells, ribosomal proteins assembly, kinetics 6737.

Mycobacterium smegmatis, binding viomycin, antibiotic resistance 5896.

polyribosomes, *Physarum polycephalum*, proteins composition 6719.

Tetrahymena thermophila, cycloheximide-resistance sites 1433.

Ribosomes,

see also **Polyribosomes, Ribosomal subunits, etc.**

activity, brain, mice, prenatal 187.

activity, *Saccharomyces cerevisiae*, relationship-growth rate 4702.

aggregation, lymph node, rats, skin xenografts, effects on 4734.

antibodies, HeLa cells, detection-human liver diseases 7402.

Artemia salina, binding-tRNA (aminoacyl), ricin/modeccin, effects on 2963.

Artemia salina, physical properties 1436.

Artemia salina, polypeptides chains release factors, purification/characterization 4703.

Artemia salina, purification, methodology 1435.

assembly, *Escherichia coli* 205.

assembly, *Escherichia coli* missense mutant, ribosomal protein S17 4116.

assembly, role-ribosomal proteins interaction 4725.

associated protein kinase, SV40-transformed cells 2862.

Bacillus stearothermophilus, peptidyltransferase sites, ribosomal protein B-L3, chemical modification 1900.

bacteria, conformation, streptomycin, effects on 4728.

bacteria, in vitro binding-virginiamycin S 2955.

bacteria, in vitro binding-virginiamycin M 2956.

bacteria, structure/function, review 5.

binding, efficiency, brome mosaic virus RNA 4 5429.

binding-leucomycin derivatives, *Escherichia coli*, relationship-antibacterial activity 209.

binding-phage Q β RNA, initiation complex formation, inhibition-oligonucleotides complementary-*Escherichia coli* rRNA 16S 3'-terminus 4131.

binding sites, location-antibiotic resistance-tetracycline transposon Tn10 993.

binding sites, Rous sarcoma virus RNA, coding-gag gene products N-terminus 3544.

biological activity, lymphocytes, concanavalin A stimulation, effects on 2429.

biosynthesis, liver, rats, protein deficiency, effects on 6734.

Bombyx mori, isolation/characterization, protein biosynthesis capacity 2953.

brain, rats, ethanol ingestion, effects on 4123.

brain, rats, Δ^9 -tetrahydrocannabinol, effects on 4124.

carboxymethylation-peptides chains 1916.

Chlamydomonas reinhardtii chloroplasts, sedimentation 6720.

chorioallantoic membranes, eggs, chickens, influenza A virus infection, effects on 4732.

complex-elongation factor G + guanosine nucleotides, dissociation 4744.

conformation, liver, rats, analysis, use ribosomal proteins reductive methylation 813.

content, Ehrlich ascites tumour cells, prophase 207.

Ribosomes.(continued)

- content, *Pinus silvestris* pollen, radiation (X)/radiation (u.v.), effects on 6843.
- content, *Zea mays* mutants 3492.
- Criethidia fasciculata*, rRNA, characterization 3554.
- dissociation, *Pinus thunbergii* seeds 6739.
- dissociation, role-initiation factor 1 binding-*Escherichia coli* ribosomal subunit 30S 826.
- dissociation factors activity, liver, rats, partial hepatectomy, effects on 4726.
- distribution, *Zea mays* roots, sodium chloride, effects on 5906.
- Eimeria tenella*, characterization 2952.
- endoplasmic reticulum membranes, liver, rats, cytochrome b5/NADPH-cytochrome reductase biosynthesis 3504.
- energetics, review 1330.
- epidermis, mice, accumulation association-regeneration 211.
- erythrocytes, rabbits, proteins composition, determination, methodology 1906.
- Escherichia coli*, A-site/P-site ribosomal proteins, interaction-tRNA 215.
- Escherichia coli*, assembly, role-ribosomal protein S4 fragments 2419.
- Escherichia coli*, associated-cell cycle-reflecting proteins, isolation/characterization 808.
- Escherichia coli*, binding-erythromycin derivatives, fluorescence 819.
- Escherichia coli*, binding-GTP (azidosalicyl), characterization 1901.
- Escherichia coli*, binding-phase Q β RNA, tRNA (formylmethionyl), effects on 5907.
- Escherichia coli*, cleavage-cloacin DF13, translation fidelity/specificity 5353.
- Escherichia coli*, complex-tRNA (phenylalanyl), heterogeneity 1173.
- Escherichia coli*, conformation, initiation factor 3/ribosomal protein S1, effects on 1432.
- Escherichia coli*, conformation, spin-labelling 809.
- Escherichia coli*, conformational analysis, use-N-ethylmaleimide 4715.
- Escherichia coli*, electron microscopy 2411.
- Escherichia coli*, function, regulation following phage T4 infection 210.
- Escherichia coli*, interaction-kanamycin, inhibition-translocation 1443.
- Escherichia coli*, interaction-tRNA (N-acetyl-phenylalanyl) 820.
- Escherichia coli*, isolation, chromatography 5869.
- Escherichia coli*, labelling-puromycin aryl azide analogues 2426.
- Escherichia coli*, modification-N-bromosuccinimide, protein biosynthesis stimulation 4730.
- Escherichia coli*, modification-2,3-dimethylmaleic anhydride 6715.
- Escherichia coli*, n.m.r. 197.
- Escherichia coli*, peptidyltransferase, donors/inhibitors binding constants 5895.
- Escherichia coli*, peptidyltransferase, inhibition-cytidylyl-(3,5)-adenosine phenylalanine derivatives 2423.
- Escherichia coli*, peptidyltransferase sites, photoaffinity labelling-puromycin analogues 4106.
- Escherichia coli*, photoaffinity labelling, use-azidochloramphenicol 2406.
- Escherichia coli*, photoaffinity labelling-puromycin, chloramphenicol/tetracycline, effects on 5890.
- Escherichia coli*, photoaffinity labelling-puromycin, chloramphenicol-induced changes, mechanisms 5891.
- Escherichia coli*, radiation (u.v.)-induced interaction-tRNA, cross-linked ribosomal proteins identification 6751.
- Escherichia coli*, ribosomal protein S18, mRNA binding sites, identification 4108.
- Escherichia coli*, tRNA (aminoacyl) translocation, inhibition neomycin/kanamycin/gentamicin 1913.
- Escherichia coli*, mRNA-binding regions, characterization 802.
- Escherichia coli*, RNA cross-linking-ribosomal proteins, radiation (u.v.) 6536.
- Escherichia coli*, RNA-proteins interaction analysis, use-cross-linking 1430.
- Escherichia coli*, RNA-RNA cross-linking 801.
- Escherichia coli*, rRNA 3'-terminus, fluorescence studies 2951.
- Escherichia coli*, structure, review 1.
- Escherichia coli*, translocation assays, use-poly (U) column, magnesium, effects on 5351.
- Escherichia coli* ribosomal protein S1 binding affinity 4104.
- Escherichia coli* rRNA 16S, photochemical cross-linking-tRNA Lys/tRNA Glu 6752.
- Escherichia coli* /wheat germ, γ -carboxyglutamic acid occurrence 1903.
- Euglena gracilis* chloroplasts, localization/biosynthesis 6733.
- Euglena gracilis* /*Spinacia oleracea* chloroplasts, analysis-electrophoresis/electron microscopy 5354.
- eukaryotes, circular mRNA attachment 6903.
- eukaryotes, purification 798.
- factors, effects on mRNA translation, wheat germ cell-free system 6926.
- free, liver, rats, localization-uricase/catalase biosynthesis 792.
- free/membrane-bound, distribution, regenerating liver, rats 1445.
- free/membrane-bound, liver, rats, quantitation, methodology 4722.
- free/membrane-bound, yeasts, protein biosynthesis, comparison 3468.
- hepatocytes/hepatomas, rats/mice, ribonuclease activity 1704.
- immobilization-agarose gel 1907.
- influenza virus-infected chorioallantoic membrane, ammonium chloride/potassium chloride/puromycin, effects on 5350.
- inhibition-tRNA (isoleucyl) formation, liver, rats, polyamines, effects on 1408.
- initiation complex formation, rabbits reticulocyte lysate, initiation factor 2/initiation factor 3 binding/release 4138.
- interaction-*Artemia salina* elongation factors 4135.
- interaction-mRNA, eukaryotes, role-coding sequence 5428.
- liver, rats, antigens, properties 2826.
- liver, rats, binding-ricin 6748.
- liver, rats, carbamoyl-phosphate synthetase biosynthesis 5861.
- liver, rats, catalysis-peptides bonds formation 5356.
- liver, rats, electron microscopy 3487.
- liver, rats, puromycin-mediated peptides release, Triton X-100, effects on 6747.
- liver, rats, ribosomal proteins-rRNA 5S/rRNA 5.8S/tRNA 3486.
- liver, rats, tRNA Phe codon-specific interaction 516.
- liver, rats, structure, use-lactoperoxidase iodination + reductive methylation 2417.
- liver, rats/Walker carcinoma, protein biosynthesis, thiopseudourea, effects on 2402.
- membrane-bound, kidney, dogs, amphotericin B, effects on 5358.
- membrane-bound, liver, rats, detachment-carcinogens 1908.

Ribosomes,(continued)

membrane-bound, *Micrococcus luteus*, lead exposure, effects on 4731.

Mercurialis annua, binding-cytokinins 6575.

metabolism, *Dictyostelium discoideum*, during development 5887.

mice, binding-tRNA Phe, stimulation-thallium acetate 1174.

microsomes-bound, removal, effects on N-acetylglucosamine transfer, liver rats 212.

mitochondria, cattle, peptidyltransferase, antibiotics

susceptibility 4737.

Mycobacterium smegmatis, antibiotic resistance, viomycin, localization-rRNA 2961.

peptidyltransferase, binding-*Escherichia coli* tRNA 2962.

peptidyltransferase, control, stereochemistry 3497.

peptidyltransferase regions, photoaffinity labelling-2-nitro-4-azidobenzoic acid-substituted tRNA Phe N-terminus 5883.

Pisum sativum thylakoid membranes-bound, activity 1446.

Plasmodium berghei, isolation/characterization 2413.

profiles, ascites tumour cells, mice, growth conditions, effects on 6750.

protein biosynthesis, elongation mechanisms, review 1308.

protein biosynthesis, liver, rats, modeccin, effects on 5899.

protein biosynthesis initiation, mechanisms, review 2890.

rabbits reticulocyte lysate, initiation complex formation,

inhibition-haemin controlled translation repressors 4137.

reticulocytes, rabbits, binding-tRNA (histidyl) synthetase 6689.

reticulocytes, rabbits, elongation factor 2-induced sensitization-modeccin 5359.

role-iron stimulation-ferritin biosynthesis 3469.

role-translation fidelity, models 208.

Saccharomyces cerevisiae, interaction-rRNA 5-8S 810.

Saccharomyces cerevisiae mitochondria, paromomycin/neomycin resistance mutation, characterization 6746.

Schizosaccharomyces pombe drug resistance mutants, characterization 2427.

streptomycin/colicin E3, effects on 4120.

structure, electron microscopy, book 655.

structure, liver, rats, fluorometry, use-ethidium bromide 4113.

structure, review 6544.

subunit 48S, preinitiation complex, identification 221.

Tetrahymena pyriformis /*Tetrahymena thermophila*,

ribosomal proteins composition 5349.

Tortula ruralis, temperature effects 1418.

transcripts processing, double-stranded RNA-specific

endonuclease, nucleoli, embryos, chickens/Ehrlich ascites

tumour cells, mice 5611.

Trigonella foenum graecum /*Glycine max* cotyledons,

ribonuclease activity 493.

wheat germ, aggregation-concanavalin A, occurrence-

glycoproteins 1909.

wheat germ, binding-mRNA 5'-terminus, tobacco mosaic

virus/turnip yellow mosaic virus 6761.

wheat germ, dissociation factor, characterization 1911.

wheat germ, factors dependent dissociation, assays 5904.

Ribosyldichlorobenzimidazole,

inhibition, L cells in vitro transcription, sensitivity 4826.

Ribulosebiphosphate carboxylase,

mRNA, *Chlamydomonas reinhardtii*, isolation/properties

4765.

mRNA, expression-*Zea mays* mesophyll cells/bundle sheath

cells 2012.

subunits, genes, location-*Zea mays* chloroplasts genome

3140.

Ricin,

binding-ribosomes, liver, rats 6748.

effects on ribosomal proteins phosphorylation patterns, L cells 4738.

effects on tRNA (aminoacyl) binding-*Artemia salina* ribosomes 2963.

effects on mRNA translation, ribosomes, wheat germ/liver rats 5905.

inhibition-DNA polymerase β /DNA polymerase α ; human neuroblastoma cells 5636.

Rifampicin,

effects on DNA metabolism, IncI plasmids-carrying

Escherichia coli 6288.

effects on DNA replication, *Escherichia coli*, thymine starvation pretreatment 3150.

effects on *Escherichia coli* RNA polymerase β -subunit genes transcription 6836.

effects on R factor NR1 DNA replication, *Escherichia coli* 3808.

effects on rRNA biosynthesis, *Cyanophora paradoxa* / *Cyanocystis korschikoffiana* 2511.

effects on RNA biosynthesis/protein biosynthesis, mitochondria, liver, rats 3597.

effects on RNA polymerase, *Bacillus subtilis* 3253.

inhibition-*Escherichia coli* RNA biosynthesis/RNA polymerase activity, mechanisms 3245.

inhibition-RNA biosynthesis initiation, *Escherichia coli*, effects on gene expression 3022.

use-*Escherichia coli* tRNA genes transcription organization determination 4340.

Rifampin,

sensitivity, RNA polymerase, *Staphylococcus aureus* antibiotic resistance mutants 3897.

Rifamycin,

derivatives, inhibition-DNA polymerase α /DNA polymerase β /DNA polymerase γ /DNA nucleotidylxotransferase/DNA polymerase (RNA-dependent) 4505.

effects on RNA phages replication 1506.

effects on RNA polymerase activity, *Escherichia coli* / *Staphylococcus aureus* 2190.

inhibition, L cells in vitro transcription, sensitivity 4826.

Rifamycin SV,

sensitivity, RNA polymerase, *Staphylococcus aureus* antibiotic resistance mutants 3897.

RNA,

see also **Immune RNA**

A-form, helix geometry 243.

accumulation, adenovirus (human) 5, temperature-sensitive mutant 1508.

accumulation, *Bombyx mori* silk gland, relationship-fibroin biosynthesis 2742.

2,3'-Oadamantylphosphonate, tissues, incorporation-uridine/uridine 5773.

adenovirus (human) 2, caps 5'-terminus/promoters nucleotide sequence, comparison 2452.

adenovirus (human) 2, purification, methodology 3526.

adenovirus (human) 2-infected HeLa cells, comparison-cytoplasmic/nuclear polyribosomes 5947.

adenovirus (human) 2-related, occurrence-normal human tissues 4149.

adenovirus, stability, proflavine/ethidium bromide/daunomycin, effects on 849.

AKR leukaemia virus, nucleotide sequence, homology-mink cell focus-inducing virus 5373.

AKR leukaemia virus-specific, AKR cells, mice, detection 5922.

alfalfa mosaic virus, interaction-coat protein, transitions enthalpy 5679.

alfalfa mosaic virus, sequence homology 3550.

RNA,(continued)

- alfalfa mosaic virus, 5'-terminus nucleotide sequence 4175.
 alfalfa mosaic virus, translation-mRNA-dependent
 reticulocyte lysate cell-free system 6064.
 alkylated, modification-phage T7 genes DNA 6094.
 alkylation, sites/mechanisms 4290.
 alphavirus, review 2889.
 antibodies, detection-human multiple sclerosis/subacute
 sclerosing panencephalitis 2229.
 antibodies, systemic lupus erythematosus, specificity 7404.
 antigens, isolation/characterization, polyribosomes, liver, rats
 3933.
 antigens sensitivity mediation, isolation, review 4593.
 assays, methodology 2548.
 assays, use-DNA binding-diazobenzyloxymethyl paper 2972.
 assembly, tobacco mosaic virus 2274.
 associated proteins, poliovirus, purification/characterization
 649.
 association-chromatin, amoebae 302.
 avian myeloblastosis virus, isolation 5369.
 avian myelocytomatosis virus, structure, electron microscopy
 2989.
 avian myelocytomatosis virus MC29 genomes, mapping
 4164.
Bacillus subtilis, isolation/characterization/binding-
 oligodeoxythymidylate-cellulose 1462.
 backbone, conformation 6129.
 backbone conformation determination, use-algorithms 6128.
 backbone structure 4160.
 barley stripe mosaic virus, detection-poly (A) sequences 2481.
 barley stripe mosaic virus, occurrence-5'-terminus caps 5383.
 base composition, lymph node, rats, skin xenografts, effects
 on 4734.
 base composition analysis 4926.
 base stacking determination, optimized potential function
 373.
 bases, interaction 6127.
 binding-benzo(a)pyrene, mice skin in vivo/rats liver
 microsomes/nuclei, in vitro 3065.
 binding-chlorambucil, tumour-bearing rats 971.
 binding-rabbits elongation factor 1/elongation factor 2 2969.
 binding sites, *Escherichia coli* ribosomal protein S1,
 structure/properties 1290.
 binding sites, *Escherichia coli* ribosomal protein S1,
 specificity/cooperativity 1291.
 biosynthesis/turnover, *Calliphora erythrocephala* salivary
 gland 5995.
 bovine leukaemia virus, translation-heterologous cell-free
 system 4091.
 branching enzyme, muscles, rabbits, primary structure 5980.
 brome mosaic virus, infection efficiency, *Hordeum vulgare*
 925.
 brome mosaic virus, proteins recognition during in vitro
 reconstitution 6534.
 cadang-cadang disease virus, characterization 6777.
 cadang-cadang disease virus-associated, complementary
 DNA, biosynthesis/characterization 6195.
 carnation mottle virus, translation-wheat germ cell-free
 system, regulation, role-3'-terminus 2486.
 chains, elongation, intermediates analysis 1498.
 chains, termination sites, adenovirus (human) 2, infected
 HeLa cells, 5,6-dichloro-1- β -D-ribofuranosylbenzimidazole,
 effects on 6002.
 chains initiation-*Escherichia coli* RNA polymerase, phage
 T7 promoters, kinetics 6851.
 characterization, oviduct nuclei, chickens, use-mercurated
 UTP 403.
 characterization/isolation, *Pyricularia oryzae* virus-like
 particles 4174.
 chloroplasts, *Nicotiana rustica*, characterization/biological
 properties 1961.
 chromatin, HeLa cells, covalent linkage-double-stranded
 chromosomes DNA 6512.
 chromatin, liver, rats, methylation-dimethylnitrosamine 4276.
 circular, potato spindle tuber viroid/citrus exocortis viroid/
 cucumber pale fruit viroid/chrysanthemum stunt viroid/
 chrysanthemum chlorotic mottle viroid, phosphodiester
 cleavage 5382.
 citrus exocortis viroid, detection-*Lycopersicon esculentum*
 tumour cells, citrus exocortis viroid + *Agrobacterium*
 tumefaciens infectin 837.
Closterium acerosum, incorporation-uridine 714.
 complementary, influenza virus, transfer-globin mRNA 5'-
 terminus caps, during transcription 4778.
 complementary, transcription/hybridization, chromosomes,
 Chinese hamsters cell lines 3562.
 complexity, *Strongylocentrotus purpuratus* 5976.
 containing, nuclear matrix, *Tetrahymena pyriformis*
 macronuclei, isolation/characterization 6540.
 content, *Anabaena cylindrica*, nucleotide peptide, effects on
 2128.
 content, *Ascaris lumbricoides*, during development 2976.
 content, *Bombyx mori* development 2130.
 content, *Bombyx mori* eggs, diapause, effects on 4822.
 content, *Bombyx mori* silk gland 321.
 content, brain, cats, relationship-epileptiform activity 225.
 content, *Chironomus tentans* chromosomes 1788.
 content, *Columba livia*, radiation(γ), effects on 2114.
 content, *Cucumis sativus* cotyledons, kinetins, effects on
 6476.
 content, *Eimeria tenella* gametogenesis 223.
 content, EMT6 cells, during cell cycle 2733.
 content, human brain, age, effects on 7207.
 content, *Ipomoea batatas* roots, *Rhizopus stolonifer*
 infection, effects on 4435.
 content, *Lagenaria vulgaris*, leaves, bottlegourd mosaic
 virus, effects on 2501.
 content, liver/kidney, mice, starvation, effects on 7201.
 content, *Lycopersicon esculentum* leaves, (2-chloroethyl)-
 trimethyl ammonium chloride/sodium chloride, effects on
 297.
 content, lymphocytes, relationship-S phase rates 3189.
 content, muscles, rats, fasting, effects on 1928.
 content, neurons, cortex (visual)/retina ganglia, rats, light
 stimulation, effects on 4221.
 content, neurons/neuroglia, rats, circadian rhythms 1458.
 content, normal/leucosis, rats, copper sulphate, effects on
 450.
 content, nuclei/cytoplasm, neurons, adrenergic stimulation,
 effects on 1523.
 content, *Periplaneta americana*, actinomycin D/dimethoate,
 effects on 5041.
 content, *Phaseolus vulgaris* leaves, adenine (benzyl), effects
 on 841.
 content, placenta/liver, rats, dipyrone, effects on 4424.
 content, prosencephalon, rats, hypoxia, effects on 455.
 content, Rauscher leukaemia virus transformed cells 1455.
 content, *Sclerotinia sclerotiorum*, during growth,
 phosphorus, effects 332 7194.
 content, *Solanum tuberosum* tubers development 2171.
 content, testis, rats, age, effects on 839.
 content, ventricle, rats 2021.
 content, vitreous humour, eye lens, chickens 4758.
 content, *Zea mays* /*Triticum* anthers, ethrel-induced sterility,

RNA,(continued)

- effects on 3844.
coronavirus (bovine), characterization 2453.
coronavirus (murine), characterization 1473.
cowpea chlorotic mottle virus, replication defective temperature-sensitive mutant, isolation/mapping 871.
cowpea chlorotic mottle virus, translation-cell-free system, products analysis 6912.
cowpea mosaic virus, associated proteins, characterization 4564.
cowpea mosaic virus, transcription-avian myeloblastosis virus DNA polymerase (RNA-dependent) 3267.
cowpea mosaic virus/tobacco mosaic virus, multiple initiation sites 6065.
Crithidia luciliae, transcription-kinetoplasts DNA 2649.
cross-linking, ribosomes, *Escherichia coli* 801.
cross-linking-proteins, radiation (u.v.) induced, ribosomal subunit 40S, liver, rats 1437.
cross-linking-ribosomal proteins, *Escherichia coli* ribosomal subunits, use-symtriazine trichloride 3478.
cucumber mosaic virus, base composition determination, chromatography (high-pressure liquid) 5385.
cucumber mosaic virus, 5'-terminus regions, nucleotide sequence 5384.
cucumber pale fruit viroid, replication, infected protoplasts, tomatoes, inhibition- α -amanitin 4197.
cytoplasm, neurons, rats, characterization 2473.
cytoplasmic, HeLa cells, circular forms detection-electron microscopy 6808.
cytoplasmic, transfer-Fv-1 locus specific resistance, B-tropic/N-tropic oncornavirus (murine) 2525.
defective-interfering influenza virus, characterization 1927.
defective-interfering particles, poliovirus 1, initiation-translation, products identification 6062.
degradation, *Escherichia coli*, temperature stress, effects on 4228.
degradation, interferon-mediated, properties, L-929 cells 1541.
degradation, L cells, temperature effects 1526.
degradation, sea urchins mitochondria, ionophore A 23187, effects on 4229.
degradation-*Hymenolepis diminuta* ribonuclease 4860.
Dendrolimus spectabilis/*Lymantria dispar*/*Bombyx mori* cytoplasmic polyhedrosis virus, properties 3536.
determination, methodology 2434.
determination, use-ethidium dimers 6082.
Dictyostelium discoideum differentiation, degradation 943.
dietary, mice, pyrimidines/purines metabolism 2725.
differentiated muscles/embryos carcinoma, cell lines, mice, sequence complexity/frequency distribution 4185.
dimeric subunits, conformation 851.
dimeric subunits, solvents accessibility 852.
disassembly intermediates, tobacco mosaic virus, biological properties 1527.
distribution, *Acetabularia mediterranea* cytoplasm 2000.
distribution, *Carassius auratus* optic tectum, following labelled uridine injection 305.
DNA hybridization products, analysis, use-centrifugation, caesium sulphate gradients 4291.
DNA hybrids, visualization-electron microscopy, use polynucleotide phosphorylase catalyzed poly (A) incorporation-RNA 835.
DNA-like, characterization, Zajdela hepatoma/liver, normal/hepatoma-bearing rats 2479.
DNA polymerase (RNA-dependent)-deficient/positive Rous sarcoma virus/avian reticuloendotheliosis virus, characterization 3543.
double-stranded, antibodies, measurement-systemic lupus erythematosus hospital personnel 2827.
double-stranded, antibodies, occurrence, diabetes 5185.
double-stranded, *Aspergillus foetidus* virus AFV-S, semi-conservative transcription 269.
double-stranded, *Aspergillus foetidus* virus S, transcription 2485.
double-stranded, bluetongue virus genomes, structure 4165.
double-stranded, content-normal/leukaemia (chronic lymphatic) lymphocytes RNA (heterogeneous nuclear) 230.
double-stranded, content-normal/leukaemia (chronic lymphatic) lymphocyte RNA (heterogeneous nuclear) 1459.
double-stranded, dependent enzymes activity, interferon-associated, 3T6 cells mutants 577.
double-stranded, effects on proteins phosphorylation, interferon-treated/viruses-infected L929 cells, mice 2524.
double-stranded, effects on proteins phosphorylation, human fibroblasts 6900.
double-stranded, effects on mRNA degradation, interferon-treated embryo cells, chickens 4230.
double-stranded, encephalomyocarditis virus, melting/reassociation 2986.
double-stranded, encephalomyocarditis virus, linear/circular forms 6778.
double stranded, genomes segments, reovirus, human/cattle/mice, electrophoretic mobility 5956.
double stranded, hybridization-poly (A)-containing mRNA, polyribosomes, mice, complementary sequence 5978.
double-stranded, induced cytolysis, interferon-treated cells, protection-hormones 5421.
double-stranded, induction-interferon, in vivo, review 2295.
double-stranded, inhibition-protein biosynthesis, reticulocyte lysate, endonuclease activation 932.
double-stranded, inhibition-protein biosynthesis, mechanisms 2541.
double-stranded, inhibition-protein biosynthesis, L cells, relationship-interferon induction 4231.
double-stranded, inhibition-protein biosynthesis, reticulocyte lysate, salts concentration, effects on 4232.
double-stranded, inhibition-protein biosynthesis, reticulocyte lysate, fructose-6-phosphate, effects on 4233.
double-stranded, inhibition-protein biosynthesis, reticulocyte lysate, role-protein kinase/endonuclease effectors 4850.
double-stranded, lettuce speckles mottle virus, sedimentation 5967.
double-stranded, mengovirus, replicative form infectivity, conversion-replicative intermediates 6895.
double-stranded, *Nicotiana tabacum* leaves, characterization 6812.
double-stranded, *Penicillium chrysogenum* virus, degradation, serum enzymes 1539.
double-stranded, phase ϕ 6, denaturation 240, 1467.
double-stranded, phase F2, structure, c.d. 4161.
double-stranded, poliovirus, strands specific attachment, avidin-biotin reaction 4152.
double-stranded, reovirus, coding-polypeptides, identification 1531.
double-stranded, replication, killer plasmids, *Saccharomyces cerevisiae*, requirement-spermine/spermidine 283.
double-stranded, replication, *Penicillium stoloniferum* virus S-associated RNA polymerase (RNA-dependent), mechanisms 2793.
double-stranded, role-*Rhizoctonia solani* viruses infection 5367.
double-stranded, *Saccharomyces cerevisiae*, electron microscopy mapping 250.
double-stranded, *Saccharomyces cerevisiae*, molecular

RNA,(continued)

- weight determination 1487.
- double-stranded, *Saccharomyces cerevisiae*, homology-DNA 2468.
- double-stranded, *Saccharomyces cerevisiae*, relationship-virus-like particles 3515.
- double-stranded, sequences, characterization, mRNA precursors, use-DNA cloning 3559.
- double-stranded, specific endonuclease, nucleoli, embryos, chickens/Ehrlich ascites tumour cells, mice, localization/ribosomes transcripts processing 5611.
- double-stranded, tobacco necrosis virus, isolation/characterization 6796.
- early, adenovirus (human) 2, regulation 3019.
- effects on acetylcholinesterase differentiation, embryo cells, chickens, myogenesis 306.
- effects on phosphates deficiency, *Spirodelia* 6056.
- effects on ribonuclease biosynthesis, *Penicillium brevicompactum* 303.
- efflux, SV40-3T3 cells, inhibition-cordycepin 5281.
- eggplant mosaic virus, translation-wheat germ extracts/reticulocyte lysate 3639.
- eggplant mosaic virus, translation-wheat germ cell-free system 4241.
- Ehrlich ascites tumour, effects on homologous tumours transplantation/growth 3044.
- electron microscopy, use-phosphotungstic acid 1542.
- electrophoresis gels elution, methodology, use-mRNA analysis, *Zea mays* endosperm 6767.
- encapsulation-tobacco mosaic virus/cowpea chlorotic mottle virus coat protein, characterization 2275.
- encephalomyocarditis virus, covalent bonding-proteins 7470.
- encephalomyocarditis virus, infectivity, amphotericin B methyl ester, effects on 3628.
- encephalomyocarditis virus, 3'-terminus nucleotide sequences 247.
- encephalomyocarditis virus, translation-reticulocyte lysate, kinetics analysis 5342.
- endogenous replication-defective oncornavirus, expression-7,12-dimethylbenz(a)anthracene-induced mammary gland adenocarcinoma, rats 4470.
- enriched fractions, heart, chickens, adults, induction-cardiac-like action potentials blastoderm, embryos 301.
- envelopes glycoproteins, Rous-associated virus 2, mRNA activity 3637.
- Epstein-Barr virus, occurrence-Burkitt's lymphoma, coding, DNA, analysis 3733.
- erythroleukaemia cells, mice, occurrence-ribonucleoproteins complex 1245.
- Escherichia coli*, immobilized-liposomes, uptake-*Daucus carota* protoplasts 4846.
- Escherichia coli*, reaction-polynucleotide nucleotidyltransferase 5643.
- Escherichia coli* ribosomes, cross-linking-ribosomal proteins, radiation (u.v.) 6536.
- Escherichia coli* rne mutant, structure analysis 1483.
- eukaryotes, purification/characterization, methodology 2441.
- expression diversity, gene, muscular dystrophy, mice 1524.
- extraction-liver, rabbits, methodology 4153.
- fate-meiosis, oocytes, pigs/rabbits 307.
- foot-and-mouth disease virus, mapping 1474.
- foot-and-mouth disease virus/encephalomyocarditis virus, poly (C) tracts, sequence/location 5375.
- fowl plague virus recombinants, mapping 3538.
- fractions, (hypersensitivity) delayed mediation, guinea-pigs, characterization 6455.
- fragments, phage MS2, ribonuclease T1 digestion/ketoxal modification 1469.
- fragments RNA polymerase (RNA-dependent cistrons, phage MS2, role-initiation complex formation 4844.
- Friend erythroleukemia cells, α -globin/ β -globin mRNA precursors, characterization 3563.
- furanose rings, conformation flexibility 369.
- genomes, fowl plague virus, 5'-terminus/3'-terminus, nucleotide sequence analysis 6780.
- genomes, influenza A virus, gene mapping 6783.
- genomes, influenza A virus strains, structure, comparison 5952.
- genomes, La Crosse virus, comparison-California encephalitis virus/Bunyamwera virus 6784.
- genomes, Mill Hill virus 2, size 6785.
- genomes, Moloney leukaemia virus, interaction-tRNA Pro, DNA biosynthesis initiation 7116.
- genomes, reovirus, photoinactivation-psoralen, effects on associated enzymes activity 6907.
- genomes, rotavirus (simian)/rotavirus (human)/rotavirus (bovine), comparison, electrophoresis 5958.
- genomes, size, transformation defective mutant, Rous sarcoma virus 5959.
- genomes, spleen focus-forming virus, identification/mapping 5962.
- genomes, turnip yellow mosaic virus/Andean potato latent virus, templates-reverse transcription, products characterization 7121.
- genomes, vesicular stomatitis virus, structural protein/mRNA genes, mapping 6792.
- genomes, vesicular stomatitis virus, 3'-terminus nucleotide sequence 6793.
- globin, sequence, occurrence-human leukaemia cells 2436.
- haemagglutinin coding, genetic relationship, influenza virus strains 2988.
- HeLa cells, cross-linking-ribosomal proteins, sodium periodate 1440.
- Heliothis armigera* cytoplasmic polyhedrosis virus, characterization 3551.
- helix stability, n.m.r. 2447.
- helix stability, role-guanine + uracil base pairs 6773.
- herpes simplex virus 1, regulation-transcription 6819.
- herpes simplex virus 2, detection-human ganglia 5363.
- heterologous, sequential encapsidation-papaya mosaic virus proteins 4563.
- high molecular weight, characterization, melanoma B16, mice 2480.
- high molecular weight, metabolism, brain, female rats 1973.
- high molecular weight, poly (A)-containing, mammary gland, guinea-pigs, occurrence-milk proteins mRNA sequence 6763.
- high molecular weight, 3'-terminus labelling-phage T4 RNA ligase 3929.
- high molecular weight, vaccinia virus, translation-cell-free system 2006.
- high molecular weight fragments, yeasts, fluorescence labelling, methodology 5940.
- high molecular weight nuclear, coding-polyoma virus capsid protein in vitro 1530.
- hippocampus, rats, learning ability, effects on 6052.
- homology, turnip yellow mosaic virus/eggplant mosaic virus/Andean potato latent virus 873.
- human leukaemia cells, occurrence-oncornavirus nucleotide sequence 2477.
- hybridization-DNA, genomes characterization, C-type virus, mice 4325.
- hybrids, purification, methodology 834.
- immobilization, use-agarose 3533.
- induction-histamine release, human leucocytes (basophilic),

RNA,(continued)

- rheumatoid arthritis/systemic lupus erythematosus 929.
 influenza A virus, comparison-epidemics strains 5377.
 influenza A virus recombinants, genomes, analysis 1938.
 influenza A virus strains, nucleotide sequence analysis 5953.
 influenza B virus, genes mapping 2455.
 influenza virus, capping/methylation, mechanisms 1963.
 influenza virus, free/ribonucleoproteins, secondary structure 5951.
 influenza virus, polyadenylation/reverse transcription 4374.
 influenza virus, transcription in vitro, globin mRNA primers 894.
 influenza virus, transcription products, accumulation-nuclei, MDCK cells, antibiotics, effects on 3580.
 influenza virus defective-interfering particles, nucleotide sequence mapping 6782.
 influenza virus genomes segments, size determination, methodology 4168.
 influenza virus von Magnus particles, origin 3513.
 inhibition-Rauscher leukaemia virus/avian myeloblastosis virus DNA polymerase (RNA-dependent)-associated ribonuclease H 1160.
 inhibition-Rauscher leukaemia virus DNA polymerase (RNA-dependent)-associated ribonuclease H 504.
 initiation-DNA biosynthesis, review 2902.
 initiation systems, adenovirus (human) 2, mapping, use-radiation (u.v.) 4319.
 initiator, occurrence-DNA, human lymphoblastoid cell lines 5932.
 initiator, polyoma virus DNA replication, biosynthesis/distribution 895.
 interaction-amines, putrescine diphosphates structure, X-ray crystallography, models 4923.
 interaction-dyes, review 2901.
 interaction-1,1'-ethylene-bis(1-nitroso-urea) 5467.
 interaction-proteins, assays 4886.
 interaction-proteins, *Escherichia coli* ribosomes, analysis, use-cross-linking 1430.
 interaction-proteins, tomato bushy stunt virus, neutron scattering 1302.
 interaction-RNA polymerase/initiation factors, GMP methyl derivatives, cap analogues, effects on 1861.
 intracellular, mammary tumour virus, structure analysis 5378.
 iodine-125-labelled, sequence analysis, methodology 2984.
 ions, effects on, review 12.
 isolation, BHK cells, chromatography (affinity), use-guanosine (6-thio)/uridine (4-thio) incorporation 4156.
 La Crosse virus/snowshoe hare virus, identification-nucleocapsid protein coding segments 5422.
 labelled, detection, methodology 5921.
 labelling, relationship-uridine catabolism, mice, hepatectomy 2341.
 late, occurrence-polyoma virus infected cells 2975.
 late, SV40, heterogeneity/5'-terminus structure 3546.
 late, transcription patterns, SV40 2499.
 leader, vesicular stomatitis virus, nucleotide sequence 867, 1943.
 leaders, production-endonuclease cleavage-*Escherichia coli* tryptophan operon mRNA 5432.
 liver, cattle, effects on lymphocytes inhibition-bone marrow stem cells 5650.
 liver, cattle, effects on tyrosine aminotransferase/glucose-6-phosphate dehydrogenase activity, hepatoma/normal tissues, mice 5427.
 liver, rats, isolation methodology, comparison 231.
 low molecular weight, calf thymus, solutions behaviour 1957.
 low molecular weight, isolation, poly (A)-containing RNA, nuclei/cytoplasm, CHO cells 1464.
 low molecular weight, metabolism, sea urchins embryos 4808.
 low molecular weight, nuclei, erythrocytes/reticulocytes/bone marrow/liver cells, localization 224.
 low molecular weight, nuclei, liver, rats, role-transcription 3002.
 low molecular weight, occurrence-*Persea americana* avocado sunblotch 5365.
 low molecular weight, occurrence-serum, rats, comparison-Zajdela hepatoma 3654.
 low molecular weight, plasmid NR1, characterization 246.
 low molecular weight, *Spinacea oleracea* chloroplasts, characterization 1962.
 lymphocytes, leukaemia, angiogenic activity in vitro 309.
 magnetic fields, effects on 4919.
 mammary tumour virus, detection-BALB/c cells 2435.
 mammary tumour virus, expression during mammary gland development, mice 4237.
 mammary tumour virus, expression-mammary gland cells, mice 2755.
 mammary tumour virus, translation, precursors polypeptides phosphorylation 2395.
 mapping, use-nuclease S1 170.
 measles virus-infected Vero cells, translation-wheat germ cell-free system 6905.
 mengovirus, infectivity, characterization 3629.
 mengovirus, isolation, methodology 3528.
 mengovirus, isolation/characterization 5379.
 mengovirus, 5'-terminus proteins lacking, translation-cell-free system 4238.
 mengovirus, translation-*Acetabularia* cytoplasm 1529.
 messenger-like, detection/characterization, bone marrow cells, pigeons 3558.
 metabolism, *Carassius auratus* retina, association-optic nerve regeneration 1520.
 metabolism, gibberellic acids, effects on, review 2888.
 metabolism, granuloma cells, rats, silicon oxide-treated macrophages supernatants, effects on 6316.
 metabolism, *Helianthus tuberosus* tubers following excision, 2,4-dinitrophenol, effects on 6047.
 metabolism, *Hordeum*, following dark germination, gibberellic acid/indole acetic acid/ascorbic acid, effects on 4824.
 metabolism, inner membranes, mitochondria, brain, rats, ethanol ingestion, effects on 6880.
 metabolism, mammary gland carcinoma, mice, androgens, effects on 4206.
 metabolism, nuclei, liver, rats, 2-acetylaminofluorene, effects on 454.
 metabolism, *Vicia faba* cotyledons, relationship-globulin biosynthesis 6894.
 microsomes, liver, rats, alkylation-vinyl bromide metabolites 4768.
 minute virus of mice, electron microscopy 5954.
 modified nucleotides-containing, nucleotide sequence analysis, methodology 6771.
 molecular arrangement, tissues, staining 4792.
 molecular weight determination, use-mercury-agarose electrophoresis 3532.
 Moloney leukaemia virus, homology-human leukaemia cells DNA 7100.
 Moloney leukaemia virus, splicing, electron microscopy 858.
 Moloney leukaemia virus/HIX virus nonhomology region, heteroduplexes analysis 857.
 Moloney sarcoma virus strains, nucleotide sequence homology 856.

RNA,(continued)

- Moloney sarcoma virus transformed 3T3 cells, revertants, loss-specific nucleotide sequence 3209.
- Mus musculus* A-type particles, nucleotide sequence homology-endogenous oncornavirus, *Mus cerviculus* 5374.
- myeloma, mice, poly (A) sequences, characterization 885.
- myxovirus, review 1327.
- N-tropic/B-tropic/N B-tropic C-type virus, sequence determination 2990.
- Naegleria fowleri*, content during growth 838.
- nepoviruses, molecular weight determination 872.
- Nicotiana*, gametes fusion, effects on 620.
- Nicotiana tabacum*, adenine (N⁶-benzyl) incorporation, inhibition-cytokinins analogues 4621.
- Nicotiana tabacum* /*Phaseolus vulgaris* /*Chlamydomonas reinhardtii*, translation wheat germ cell-free system, chloroplasts ferredoxinbiosynthesis 942.
- nucleotide sequence determination, methodology 1932.
- nuclear, homology-non-repetitive genomes, comparison-normal/regenerating liver, rats 3560.
- nuclear, poly (A)-containing, polyoma virus, topography 4170.
- nuclear, release, *Tetrahymena pyriformis*, nuclear membranes lipids fluidity, effects on 6050.
- nuclear, *Strongylocentrotus purpuratus*, sequence complexity 5394.
- nuclei, double-stranded, detection-Vero cells/*Aedes albopictus* cells, immunofluorescence 229.
- nuclei, liver, rats, incorporation-ribonucleoproteins 586.
- nuclei, mice, liver/Guelstein ascites hepatoma 22A, comparison-cytoplasm 1056.
- nuclei, separation-electrophoresis 233, 1460.
- nucleotide sequence, methodology, RNA biosynthesis termination-nucleoside (3'-O-methyl)5'-triphosphate 978.
- nucleotide sequence analysis, methodology 5941.
- nucleotide sequence determination, methodology 1931, 4770.
- nucleotide sequence determination, use-primary + secondary labelling 5939.
- occurrence, nucleoproteins, human lymphocytes/frogs auricle, cell culture 589.
- occurrence-centrioles regions, PTK cells, role-spindles formation 3523.
- oncornavirus (avian) mutants, role-mRNA 4239.
- oncornavirus, reverse transcription, review 2878.
- oncornavirus, structure/replication, review 5708.
- pea enation mosaic virus strains, structure, transmission-*Acyrtosiphon pisum*, effects on 4176.
- phage MS2, coding, relationship-codons-anticodons interaction 4226.
- phage MS2, interaction-ribosomal subunit 30S, inhibition-ribosomal subunit 50S 4117.
- phage MS2, structure, *Escherichia coli* ribosomal protein S1 binding, effects on 848.
- phage MS2, translation in vitro, role-initiation factor 3 4130.
- phage MS2, translation/infectivity, benzo(a)pyrene diol epoxide, effects on 4235.
- phage MS2/phage R17, specific fragmentation 6932.
- phage PP7, *Pseudomonas aeruginosa* ribosomes binding sites, nucleotide sequence/identification-coat protein cistrons 4773.
- phage Q β , binding-*Escherichia coli* ribosomes, tRNA (formylmethionyl), effects on 5907.
- phage Q β , binding-ribosomes, initiation complex formation, inhibition-oligonucleotides complementary-*Escherichia coli* rRNA 16S 3'-terminus 4131.
- phage Q β , isolation methodology, nucleotide sequence analysis 2451.
- phage Q β , nucleotides analogues insertion, mutagenesis, sites specificity 5080.
- phage Q β , ribonuclease T1 oligonucleotides, nucleotide sequence/localization 2449.
- phage Q β coat protein cistrons, nucleotide sequence analysis 2450.
- phage Q β variants, structure/templates activity, radiation (u.v.), effects on 4769.
- phages, replication, rifamycin, effects on 1506.
- phages, replication control 1507.
- phages, 3'-terminus, homology 6774.
- photoreactivation, radiation (u.v.)-treated *Smittia* eggs 850.
- Physarum polycephalum* cytoplasm, poly (A) degradation 944.
- physicochemical properties, data analysis-computer programs 7010.
- Phytomonas davidi* kinetoplasts, isolation/characterization 329.
- picornavirus genome, 3'-terminus, nucleotide sequence 2457.
- Pisum* seeds, polyadenylation during germination 3627.
- poliovirus, associated proteins, electron microscopy 2875.
- poliovirus, cleavage-*Escherichia coli* ribonuclease III 4859.
- poliovirus, nucleotide sequence complexity 6786.
- poliovirus, transfection, enhancement-histones/protamines, mechanisms 2526.
- poliovirus, translation, characterization-initiation products, cell-free system, HeLa cells 4132.
- poliovirus, translation-reticulocyte lysate, rabbits 2005.
- poliovirus defective-interfering particles, deletion, mapping 4169.
- poliovirus 1, binding-VPg protein 1797.
- poliovirus 1, ribonuclease III digestion, 5'-terminus-containing fragments, identification 1475.
- poliovirus 1, translation initiation sites 822.
- poly (A)-containing, analysis, *Physarum polycephalum* 5366.
- poly (A) containing, *Avena sativa* coleoptile, occurrence-5'-terminus caps 4801.
- poly (A)-containing, *Bacillus brevis*, isolation/characterization 842.
- poly (A)-containing, biosynthesis/utilization, CHO cells, cycloleucine, effects on 294.
- poly (A) containing, *Botryodiplodia theobromae*, changes during germination 4847.
- poly (A)-containing, brain, rats, electrical stimulation-induced convulsions, effects on 6051.
- poly (A)-containing, brain regions, rats, nucleotide sequence complexity 2474.
- poly (A) containing, changes during regeneration, liver, rats 4838.
- poly (A)-containing, characterization, brain, rats 253.
- poly (A)-containing, chromatography (affinity) 232.
- poly (A)-containing, complexity, regenerating liver, rats 6039.
- poly (A)-containing, distribution/localization, *styela*, during development 3517.
- poly (A)-containing, distribution-*Oncopeltus fasciatus* embryo cells, analysis 3518.
- poly (A)-containing, diversity, embryo myoblasts, chickens 1495.
- poly (A) containing, *Euglena gracilis*, complexity during chloroplasts development 5391.
- poly (A) containing, *Euglena gracilis*, transcription origin 5392.
- poly (A) containing, fractionation, methodology 4763.
- poly (A)-containing, *Glycine max* suspension culture cells, sequence complexity 5988.
- poly (A)-containing, herpes simplex virus 2, characterization 3539.

RNA.(continued)

- poly (A)-containing, liver, rats, fractionation/characterization 4154.
- poly (A)-containing, metabolism during oogenesis, *Xenopus laevis* 6325.
- poly (A) containing, neuroblastoma cells, sequence complexity/frequency distribution 4800.
- poly (A)-containing, occurrence *Bombyx mori* diapause embryos 6762.
- poly (A)-containing, occurrence during sporulation, *Bacillus polymyxa* 4757.
- poly (A)-containing, polyribosomes associated, stability, *Glycine max* suspension culture 4186.
- poly (A)-containing, reovirus, bound proteins, identification 7475.
- poly (A)-containing, *Rhizopus stolonifer* sporangiospores, occurrence 5927.
- poly (A)-containing, stability, myogenic cell lines 931.
- poly (A)-containing, vaccinia virus, heteroduplex structure 4780.
- poly (A)-containing, *Zea mays* embryos, caps isolation/identification 6813.
- poly (A)-containing/lacking, brain, rats, complexity 5981.
- poly (A) containing sequence, nuclei/polyribosomes, embryo cells, mice, frequency, comparison 4759.
- poly(A)-containing, content-nuclei/cytoplasm, normal/leukaemia human/lymphocytes 2437.
- poly(A)-containing, processing, yeasts temperature-sensitive mutant 1991.
- poly(A)-containing, *Vicia faba*, fractionation 2979.
- polymerization/nucleoside triphosphates incorporation, liver, rats, radiation (X), effects on 1516.
- polyoma virus, nucleotide sequence, tandem repeats 860.
- potato leafroll virus, isolation/characterization 5924.
- potato spindle tuber viroid, characterization 4143.
- potato spindle tuber viroid, characterization/biological properties 6795.
- potato spindle tuber viroid, interaction-ethidium bromide/c.d. 4802.
- potato spindle tuber viroid, structure 2993.
- precursors uptake, liver, mice, halothane inhalation, effects on 3032.
- processing, role-immunoglobulins heavy chains expression 6054.
- Pyricularia oryzae* virus-like particles, isolation/characterization 4174.
- R-loops, DNA, formation/stabilization, methodology 6132.
- rabies virus, transcription mapping 861.
- radiation (u.v.)-induced cross-linking-proteins, *Smittia* eggs 7479.
- radiation (u.v.)-treated HeLa cells/*Drosophila* cells, binding-psoralen derivatives 6969.
- raspberry ringspot virus/strawberry latent ringspot virus/tobacco ringspot virus/tomato black ring virus/tomato ringspot virus, poly (A) cotent 5968.
- rats, role-learning/memory 308.
- Rauscher leukaemia virus genomes, intracellular distribution, determination 2974.
- reaction-ascorbic acid-related reductions 975.
- release, liver nuclei, rats, AMP (cyclic)/GMP (cyclic), effects on 2001.
- release-nuclei, brain, mice, role-nuclear-cytosol interaction 4254.
- reovirus, structure/RNA polymerase templates activity, photochemical cross-linking 2980.
- replication, enterovirus (bovine)-infected BHK cells 5403.
- replication, mechanisms, role-phage Q β RNA polymerase (RNA-dependent) 5401.
- replication, *Nicotiana tabacum*, molybdenum/sulphur, effects on 3040.
- replication, vesicular stomatitis virus defective-interfering particles, nucleocapsids 3584.
- replicative form, encephalomyocarditis virus, translation-cell-free system 4092.
- reverse transcription products, preparation 4225.
- ribonuclease U2 fragments, stimulation-crown gall induction/inhibition-development 4862.
- ribose metabolism, *Bdellovibrio bacteriovorus*, during growth on *Escherichia coli* 3021.
- mRNA, cleavage-ribonuclease III 4253.
- RNA (small nuclear), association-RNA (heterogeneous nuclear), ribonucleoproteins complex, liver, rats 2833.
- RNA 4, brome mosaic virus, ribosomes binding efficiency 5429.
- role-chromatin fragmentation-endonuclease 2254.
- role-DNA linkage-chromosomes, *Escherichia coli* F factors 4442.
- role-papaya mosaic virus assembly initiation 1300.
- role-plasmacytoma-associated immunosuppression 1239.
- rotavirus (bovine), transcription/translation-rabbits reticulocyte lysate 6822.
- Rous sarcoma virus, analysis-*Aspergillus oryzae* nuclease S1/ribonuclease T1/*Escherichia coli* ribonuclease III ribonuclease IV 2459.
- Rous sarcoma virus, characterization, *Microtus agrestis* transformed/revertant cells 3542.
- Rous sarcoma virus, isolation-infected cells, methodology 5933.
- Rous sarcoma virus, isonicotinic acid hydrazide-copper complex, effects on 5640.
- Rous sarcoma virus, nucleotide sequence, comparison-endogenous/exogenous 2458.
- Rous sarcoma-virus, ribosomes binding sites, coding-gag gene products N-terminus 3544.
- Rous sarcoma virus genomes, transformation temperature-sensitive mutant, characterization 3746.
- San Miguel sealion virus, fractionation, absence-5'-terminus caps 5934.
- satellite RNA, cucumber mosaic virus, characterization 5966.
- satellite tobacco necrosis virus, capping, mRNA properties, effects on 4853.
- satellite tobacco necrosis virus, 5'-terminus nucleotide sequence 4784.
- secondary structure, effects on *Escherichia coli* RNA polymerase transcription termination 5147.
- secondary structure, predictions 5943.
- segments, Rous sarcoma virus, isolation/characterization 5380.
- self-complementary, stability, herpes simplex virus-infected cells 1937.
- Semliki forest virus defective-interfering particles, characterization, cloned *Aedes albopictus* cells 4171.
- separation, chromatography (affinity), gels preparation 2439.
- separation, methodology 4878.
- separation-chromatography (column), use-spermine 6766.
- sequence, adenovirus (human) 5, detection-transformed embryo cells, human kidney 4867.
- sequence, comparison-Rous sarcoma virus transformation defective mutant induced tumours avian sarcoma virus/Rous sarcoma virus 3107.
- sequence, Rous sarcoma virus-specific, recovery-Rous sarcoma virus deletion mutant induced tumours 4142.
- sequence complexity, neuroblastoma clones, uridine (5-bromo-2'-deoxy), effects on 2920.

RNA,(continued)

- sequence complexity/frequency, liver, chickens, oestrogen, effects on 4202.
- sequence-specific inactivation, use-cross-linking agents 7016.
- sequences, homology-proteins, relationship-evolution, computer programs 923.
- simian sarcoma-leukaemia virus-specific, detection-infected cells, use-hybridization 4756.
- Sindbis virus, localization-cytidine (5-methyl) residues, in vitro 1477.
- Sindbis virus defective-interfering particles, oligonucleotides mapping 3545.
- single-stranded, immunoglobulin G autoantibodies formation, mice, methodology 2223.
- single-stranded, secondary structure predictions, computer programs 854.
- size analysis, cell cultures, mice 2478.
- small nuclear RNA, *Amoeba proteus* chromosomes-associated, identification 1486.
- small nuclear RNA, electrophoresis patterns, mammalian species comparison 4797.
- sodium salts, effects on hosts resistance-bacteria 4845.
- sonchus yellow net virus-infected *Nicotiana* ribosomes/sonchus yellow net virus genomes, sequence complementarity 6787.
- specific sequence, comparison-avian myelocytomatosis virus MC29/Mill Hill 2 virus 4777.
- specificity, papaya mosaic virus assembly 1301.
- spleen, phase T2-infected rats, induction-antibodies, lymphosarcoma 6899.
- splicing, adenovirus (human) 2 mRNA formation 1935.
- splicing, relationship-SV40 genes expression, teratocarcinoma stem cells, mice 6824.
- Spring viremia of carp virus, 5'-terminus sequence analysis 5963.
- Streptococcus lactis*, incorporation-carbon-14-containing bicarbonate 1967.
- Strongylocentrotus purpuratus*, repetitive sequence transcripts 1490.
- structure, alfalfa mosaic virus, coat protein subunits, effects on 870.
- structure, influenza virus, review 2300.
- structure, interferon, effects on, review 2297.
- structure analysis, use-chromatography (high-pressure liquid), review 7014.
- SV40, spliced late, mapping 863.
- synthesis, protecting groups removal, role-neighbouring groups 4661.
- terbium complex, fluorescence 1930.
- 3'-terminus labelling, use nucleotide sequence determination 853.
- 5'-terminus triphosphate groups, modification 2445.
- Tetrahymena*, accumulation during cell cycle 6859.
- Tetrahymena pyriformis*, temperature/actinomycin D, effects on 238.
- thiol-containing, separation, use-mercurated cellulose 4762.
- thymocytes, occurrence-immunoglobulins heavy chains mRNA 3'-terminus homologous sequence 4760.
- thymus, xenogeneic, induction-autoantibodies, mice 2828.
- thyroid, tritiated uridine incorporation, potassium iodide, effects on 1850.
- Tilligerry virus, characterization 865.
- tobacco etch virus, occurrence-poly (A) 3552.
- tobacco mosaic virus, coat protein assembly, kinetics 7476.
- tobacco mosaic virus, coat protein cistrons, location/encapsidation 4785.
- tobacco mosaic virus, cytokinins activity 3367.
- tobacco mosaic virus, encapsidation intermediates, infectivity 5423.
- tobacco mosaic virus, high molecular weight polypeptides termination codons, identification 2462.
- tobacco mosaic virus, incorporation during reassembly 3553.
- tobacco mosaic virus, interaction-proteins, fluorescence/spin labelling 3990.
- tobacco mosaic virus, 3'-terminus nucleotide sequence 4177.
- tobacco mosaic virus, translation-*Acetabularia* cytoplasm 2945.
- tobacco mosaic virus, translation fidelity, spermidine, effects on 5431.
- tobacco mosaic virus, translation in vitro, caps requirement 4242.
- tobacco mosaic virus/bromovirus, infection-*Nicotiana tabacum* protoplasts, methodology 2527.
- tobacco ringspot virus, occurrence-associated proteins 6535.
- tomato bushy stunt virus, structure, X-ray crystallography 2463.
- Torula*, interaction-alkylating agents, n.m.r. 2981.
- Torula*/calf thymus, characterization 1952.
- transcription, adenovirus (human) 2, review 4012.
- transcription, circadian rhythms, review 14.
- transcription, *Notophthalmus viridescens* lampbrush chromosomes 3573.
- transcription, *Strongylocentrotus purpuratus* /*Lytechinus pictus* histones, RNA polymerase II 1727.
- transcripts, chromosome X, human-mice hybrids, hybridization properties 3561.
- transducing phage ϕ 80, mapping 4312.
- transfer, liver nuclei, rats, radiation (X), effects on 5426.
- transfer-tumours immunity, mice 5179.
- translation, Abelson leukaemia virus, *Xenopus laevis* oocytes 2003.
- translation, alfalfa mosaic virus, infected *Nicotiana tabacum* 2532.
- translation control, purification, embryos muscles, chickens, inhibition-myosin/globin-mRNA translation 2442.
- translation in vitro, comparison-tick-borne encephalitis virus/encephalomyocarditis virus 3046.
- transport, *Carassius auratus* retina, cordycepin, effects on 1993.
- transport, liver nuclei, rats, activation energy 1528.
- transport, nuclei, liver, rats, in vitro, role-ATP 3632.
- transport, rats hepatocytes nuclei, in vitro, ribonuclease inhibitors, effects on 2529.
- transport, rats hepatocytes nuclei, in vitro, superoxide dismutase, effects on 3634.
- transport, relationship-energy utilization 927.
- transport, *Xenopus laevis* embryos, during development 5416.
- turnip rosette virus, c.d. 874.
- turnip yellow mosaic virus, complementary DNA, characterization 1601.
- turnip yellow mosaic virus, translation studies 6913.
- turnover, liver, rats, vitamin A deficiency, effects on 289.
- ultrasomics 4921.
- use-primers, polynucleotide phosphorylase nucleoside diphosphates polymerization, role-radiation (u.v.) treated phage T2 DNA 4227.
- vaccinia virus-infected cells, translation in vitro 6909.
- Venezuelan equine encephalomyelitis virus, fingerprinting analysis 5381.
- vesicular exanthema virus, associated proteins, characterization 1799.
- vesicular exanthema virus, structure/replication 2461.
- vesicular stomatitis virus, cleavage-ribonuclease III 4253.

RNA,(continued)

vesicular stomatitis virus, defective-interfering particles +

RNA polymerase products, nucleotide sequence 868.

vesicular stomatitis virus, poly(A) sequences 1945.

vesicular stomatitis virus, 5'-terminus nucleotide sequence 6794.

vesicular stomatitis virus defective-interfering particles, nucleotide sequence 1478.

viroids-like, isolation-avocado sunblotch, *Persea americana* 5364.

virus-specific, Rous sarcoma virus transformed mammalian cells, nucleotide sequence 2991.

viruses, detection-hybridization 2973.

viruses, photoinactivation-chlorpromazine 4283.

viruses/mitochondria, yeasts, translation-*Escherichia coli* cell-free system, calcium, effects on 4855.

viruses-specific sequence, cross-linking, antiviral activity 7042.

visna virus, nucleotide sequence 869.

Wall virus x Mudjinbarry virus recombination, characterization 1946.

West Nile virus, translation in vitro, products identification 6910.

Western equine encephalitis virus, photoinactivation-psoralen derivatives 345.

woolly monkey virus/gibbon ape leukaemia virus, mapping, location-non homologous sequence 3549.

yeasts, effects on *Salmonella typhi* virulence/antigenicity 6897.

yeasts, interaction-gold, kinetics 2446.

yeasts, interaction-ozone 239.

yeasts, uridine-5'-phosphoric acid, spectroscopy (Raman) 6594.

yeasts mitochondria, mapping, cytochrome c oxidase subunits defective mutant 4353.

binding-ribosomal subunit 30S, medium, effectson 1919.

RNA 3,

occurrence-tomato black ring virus 4144.

tomato black ring virus, messenger properties 4854.

RNA 4,

alfalfa mosaic virus, 3'-terminus fragments, base pairs structure, coat protein, effects on 4782.

3'-terminus, alfalfa mosaic virus, binding-coat protein 1479.

RNA 4-12S,

Dictyostelium discoideum, electrophoresis 236.

RNA 4S,

biosynthesis, regulation, *Calliphora erythrocephala* salivary gland 1994.

genes, *Chlamydomonas reinhardtii*, localization-chloroplasts genomes 2648.

genes, *Xenopus laevis* mitochondria DNA, mapping, electron microscopy 401.

transport, axons, optic nerve, rats 5772.

transport, sciatic nerve, rats 4848.

RNA 5,

cucumber mosaic virus, effects on plant diseases expression 6896.

cucumber mosaic virus-associated, nucleotide sequence 1480.

RNA 5S,

biosynthesis, nuclei, ATP arabinoside/dATP, effects on 6881.

biosynthesis, regulation, *Calliphora erythrocephala* salivary gland 1994.

biosynthesis, sea, development during urchins embryos 6869.

complex-ribosomal proteins, *Halobacterium cutirubrum* ribosomal subunit 50S, purification/characterization 1904.

eukaryotes, secondary structure, spectroscopy (Raman)

1488.

genes, location-lampbrush polytene chromosomes,

Drosophila 5670.

genes, replication, HeLa cells, S phase 423.

genes, *Tetrahymena pyriformis*, organization 396.

precursors, synthesis in vitro, liver nuclei, rats/HeLa cells, characterization 5985.

prokaryotes, structure, spectroscopy (Raman) 876.

proteins complex, isolation/characterization, *Xenopus laevis* 3942.

Saccharomyces cerevisiae, ribosomal proteins binding sites, characterization 6798.

secondary structure, evolution 241, 2983.

RNA 8S,

oncornavirus-associated, expression-mammalian cells 6821.

RNA 9S,

identification, *Escherichia coli* temperature-sensitive mutant 4145.

RNA 10S,

Escherichia coli, characterization 6797.

RNA 14S,

Spinacia chloroplasts, isolation/characterization 3567.

RNA 16S,

cross-linking-ribosomal proteins, *Escherichia coli* ribosomal subunit 30S 1429.

Escherichia coli, complex-ribosomal protein S4, X-ray scattering 805.

Escherichia coli, conformation changes during ribosomal subunits 30S assembly 6730.

SV40, 5'-terminus, nucleotide sequence 1942.

3'-terminus, role-initiation factor 3 binding-*Escherichia coli* ribosomal subunit 30S 824.

RNA 18S,

genes, *Saccharomyces cerevisiae*, nucleotide sequence 2654.

neurons, pigs, base composition 1958.

ratio-RNA 28S, mice, age, effects on 1996.

RNA 23S,

binding-*Escherichia coli* ribosomal protein L10 5346.

ribosomal protein L7/L12 + ribosomal protein L10 complex binding, ribosomal protein L11, effects on 5889.

RNA 26S,

Sindbis virus, isolation, use-complementary DNA-cellulose chromatography 5370.

Sindbis virus, ribosomes-protected fragments,

characterization 5961.

RNA 27S,

nuclei, MOPC 21 cells, mice, immunoglobulins variable region/constant region, spliced nucleotide sequence 1960.

RNA 28S,

avian leucosis virus MC29, characterization 4163.

neurons, pigs, base composition 1958.

ratio-RNA 18S, mice, age, effects on 1996.

RNA 30S,

avian erythroblastosis virus, transforming components-specific sequence 6775.

defective, oncornavirus-like, infectivity-mice/rats cells, C-type virus packaging, effects on 3630.

viruses-like, occurrence-cells, mice 3520.

RNA 35S,

avian myeloblastosis virus, binding-tRNA Trp, liver, cattle, role-DNA polymerase (RNA-dependent) 7381.

Rous sarcoma virus, termini polydeoxyribonucleotides, synthesis 4058.

RNA 37S,

foot-and-mouth disease virus, 3'-terminus poly (A) segments length, relationship-infectivity 6779.

- RNA 40S**,
dengue virus 2, methylation status 5949.
- RNA 42S**,
Sindbis virus, ribosomes-protected fragments,
characterization 5961.
- RNA 70S**,
+ DNA polymerase (RNA-dependent), containing particles,
characterization, melanoma, mice 840.
toyocamycin, Friend leukaemia virus, effects on, mice 4207.
- RNA 75S**,
Chiromonas tentans Balbiani rings, analysis, determination-
transcription unit size 2087.
- RNA (heterogeneous nuclear)**,
biosynthesis/accumulation, *Xenopus laevis* lampbrush
oocytes 4812.
complex-proteins, SV40 infected cells, characterization 3989.
cross-linking-globin mRNA, erythroblasts nuclei, ducks, use-
aminomethyltrioxalen 5396.
depleted, polyribosomes, *Xenopus laevis* -liver, isolation 6723.
double-stranded regions, structure, HeLa cells, probes, use-
psoralen derivatives cross-linking 3565.
erythroid cells, chickens, sequence complexity 3557.
Friend cells, localization-poly (A)-containing mRNA 1959.
genomes expression/sequence complexity, *Petroselinum*
sativum 4841.
HeLa cells, detection-double-stranded regions, use-psoralen
derivatives photochemical cross-linking 4796.
HeLa cells, poly (A) sequence, properties 3633.
hepatoma cells, uridine (5-bromodeoxy), effects on 4798.
late, adenovirus (human) 2, structure 5946.
normal/leukaemia (chronic lymphatic) lymphocytes, double-
stranded RNA content 230.
normal/leukaemia (chronic lymphatic) lymphocyte, double-
stranded RNA content 1459.
poly (A)-containing, complexity, embryos, mice 5397.
poly (A)-containing, HeLa cells, mRNA sequence content
3564.
poly (A)-containing, homology-mRNA, brain, mice 1493.
poly (A)-containing/lacking fractions, homology, bone
marrow cells, pigeons 2470.
ribonucleoproteins particles, HeLa cells, organization 587.
sea urchins, 5'-terminus capping during embryos
development 4809.
size, *Rana pipiens* embryos during development 5395.
- RNA (2'-O-Methyladenosine-N⁶)-methyltransferase**,
HeLa cells, mRNA 5'-terminal capping specificity 296.
- RNA-binding protein**,
Artemia salina, characterization 7462.
cytoplasm, eukaryotes, characterization 6530.
detection, methodology 2774.
- Rana temporaria*** oocytes, incorporation-informosomes
5236.
- Rana temporaria*** oocytes, isolation 644.
- Rana temporaria*** oocytes, role-informosomes formation
3335.
- reticulocytes, rabbits, characterization, comparison-
ribonucleoprotein (messenger) 3986.
- reticulocytes, rabbits, isolation/characterization 3985.
- Triticum vulgare*** embryos, identification, role-translation
3338.
- RNA biosynthesis**,
see also **Transcription**
Acer platanoides, low temperature stratification, effects on
6891.
Acetabularia, inhibition-tobacco mosaic virus 4199.
Acricotopus lucidus salivary gland, ecdysone, effects on
4201.
Acrididae testis, autoradiography 3141.
adenovirus (human) 12, during infection, KB cells, gene
mapping 5944.
adenovirus (human) 2, regulation 3578.
adenovirus (human) 5 temperature-sensitive mutant,
regulation-DNA-binding protein 3607.
Allium cepa, inhibition, effects on chromosomes structure/
activity 1285.
alphavirus, review 2889.
ascites cells, purine (9- β -ribofurancsyl), effects on 280.
Aspergillus niger, during conidia development 4215.
association-pyrophosphate condensation activity 4827.
avian myeloblastosis virus, transformed cells, actinomycin D/
daunomycin, effects on 2107.
avian myeloblastosis virus virions, relationship-reverse
transcription 3569.
avian sarcoma virus-specific, infected embryo fibroblasts,
chickens, AMP (dibutylrly cyclic), effects on 900.
Bacillus rossius endonuclear bodies 421.
Bacillus subtilis, relationship-sporulation, autoradiography
1965.
Bacillus subtilis, role-RNA polymerase peptide 21K 521.
Bacillus subtilis temperature-sensitive mutant 3609.
Bacillus subtilis thiostrepton resistant mutant 3014.
bladder tumours, human, uracil (5-fluoro)/mitomycin C/
cyclophosphamide, effects on 1110.
Blepharisma intermedium, metapa, effects on 6019.
Bombyx mori eggs, diapause, effects on 4822.
Bombyx mori eggs, during embryos development 6871.
Bombyx mori larvae, midgut, ecdysterone, effects on 3586.
Bombyx mori midgut, during metamorphosis 3621.
Bombyx mori silk gland, juvenile hormone analogues, effects
on 2105.
Bombyx mori silk gland, mathematical models 6031.
bone marrow erythroblasts, DiGiuglielmo disease/idiopathic
ineffective erythropoiesis, man 6041.
bones, cell culture, rats, vitamin A action dependence 911.
brain, rats, electrical stimulation, shock, effects on 4834.
brain, rats, perinatal methadone, effects on 3835.
brain nuclei, mice, cytosol, effects on 288.
brain regions, rats, luteinizing hormone-releasing hormone/
oestrogen, effects on 3590.
capacity, chromatin/nuclei, liver, rats, ammonium sulphate,
effects on 1997.
Carassius auratus retina, cordycepin, effects on 1993.
cartilage, embryos, chickens, AMP (N⁶-monobutylrly-cyclic),
effects on 6033.
cattle spermatozoa 3003.
cell culture, muscles, chickens, ouabain, effects on 5415.
cell culture/mengovirus, N-methyl-N-nitrosourea, effects on
3594.
cell-free system, phage T4, construction/properties 3568.
Centaurea cyanus 890.
Chaetopterus /Acetabularia, α -methylornithine, effects on
5570.
changes during senescence, fibroblasts, mice 6042.
characterization, *Zea mays* nuclei 3577.
Chironomus thummi salivary gland, during metamorphosis
5414.
Chlamydomonas reinhardtii chloroplasts 5993.
CHO cells, hyperthermia, effects on 7209.
chromatin, brain, rats, environment response 292.
chromatin, *Triticum*, temperature, effects on 6893.
comparison-nuclei/cytoplasm, vaccinia virus infected HeLa
cells 4818.
complementary, snowshoe hare virus wild type/temperature-
sensitive mutant 6823.

RNA biosynthesis,(continued)

- control, *Salmonella typhimurium* hisU mutant during nutritional shifts 6856.
- Corynebacterium diphtheriae*, regulation-diphtheria toxin biosynthesis 260.
- cowpea mosaic virus, inhibition-actinomycin D 3595.
- Cryonodes peregrinus* ovarioles 6816.
- cytoplasmic, Ehrlich ascites tumour cells, anaerobic conditions, effects on 4840.
- Darier's disease cells, autoradiography 6882.
- dependence-DNA content, *Bacillus subtilis* spores 4213.
- Dictyostelium discoideum*, formycin/formycin B/toyocamycin, effects on 278.
- Dictyostelium discoideum* spores, during germination 3616.
- double-stranded, virus-like particles, *Saccharomyces cerevisiae*, regulation 4821.
- Drosophila melanogaster*, α -amanitin/juvenile hormone, effects on 901.
- Drosophila melanogaster* nuclei in vitro 4811.
- Drosophila melanogaster* wing discs 3572.
- Drosophila virus X virions-associated RNA polymerase, in vitro 1731.
- Dunaliella bioculata*, cell cycle 1066.
- early, vaccinia virus, inhibition-zinc 2513.
- Ehrlich ascites tumour cells, euphyssopin, effects on 1663.
- Ehrlich ascites tumour cells, inhibition-RNA polymerase II stimulation factors antibodies 6883.
- Ehrlich ascites tumour cells, pyrimidine (1,3,4-thiadiazolo[3,2a]), effects on 6884.
- Ehrlich ascites tumour cells, regulation-quercetin 3838.
- Ehrlich ascites tumour cells, sodium/potassium concentration, effects on 4712.
- Ehrlich ascites tumour cells, sulphated polysaccharides, effects on 2144.
- embryos, mice, during delayed implantation 6038.
- embryos, mice, oestradiol/progesterone/serum, effects on 2506.
- embryos, sea urchins, benzo(a)pyrene/hydrocortisone/corticosterone/ethidium bromide/actinomycin D/papaverine, effects on 6867.
- encephalomyocarditis virus, inhibition, relationship-2',5'-oligo (A) polymerase activity, interferon-treated HeLa cells 5631.
- erythroid cells, kinetics 3575.
- erythroid cells, mice, prostaglandin A₂, effects on 1984.
- Escherichia coli*, during glycerol-induced bacteriostasis 4415.
- Escherichia coli*, indole acetic acid, effects on 5405.
- Escherichia coli*, inhibition-phenylmercuric borate 2722.
- Escherichia coli*, inhibition-*Pisum sativum* nonhistone proteins 2514.
- Escherichia coli*, inhibition-rifampicin, mechanisms 3245.
- Escherichia coli*, nutritional shifts, effects on 284.
- Escherichia coli*, phage T-even infection, effects on, review 6549.
- Escherichia coli*, relaxation-plasmid pMY3 4829.
- Escherichia coli*, stringent control, chloramphenicol, effects on 1513.
- Escherichia coli*, thermal injury, effects on 5412.
- Escherichia coli* /HeLa cells/lymphoblastoma cells, neothramycin, effects on 5035.
- Escherichia coli* RNA polymerase, initiation-adenosine/FAD/NAD 6852.
- Escherichia coli* temperature-sensitive mutant 6319.
- fibroblasts, human, stimulation-cattle growth hormone fragments 191.
- fibroblasts, stimulation-amphotericin B 2734.
- fibroblasts, stimulation-autoradiography 3622.
- following meiosis, spermatogenesis, mice 3000.
- glial cells/nerves cells, brain, rabbits 5996.
- Guerin tumour, inhibition-radiation, hypothermia, effects on 4433.
- Haemophilus influenzae*, association-competence 1095.
- Hapalosiphon welwitschii*, penicillin G, effects on 6020.
- heart, rats, thyroid hormone deficiency, effects on 4204.
- HeLa cells/Ehrlich ascites tumour, pulvomycin/kiromycin, effects on 3017.
- hepatocytes, embryos, rats, thioacetamide, effects on 6021.
- hepatocytes suspensions, characterization 6886.
- human leucocytes (polymorphonuclear) 4817.
- human lymphocytes, α -difluoromethylornithine/methylglyoxal bis(guanyldiazotane), effects on 3187.
- human lymphocytes, inhibition-macrophages immunosuppressive factor 2136.
- Impatiens balsamina*, induction-gibberellic acid/photoperiod 6017.
- in vitro, inhibition-ledakrin, mechanisms 3601.
- in vitro, plants RNA polymerase (RNA-dependent), inhibition-ATP (3'-deoxy) 1188.
- in vitro, rats liver nucleoplasm 2689.
- in vitro, vesicular stomatitis virus-infected HeLa cells extracts 6007.
- in vitro nuclei, assays, use-mercury-containing UTP 282.
- influenza A virus, florenal, effects on 2496.
- influenza virus, inactivation-radiation (u.v.) 6835.
- inhibition, Chinese hamsters, cell culture, effects on mitosis 295.
- inhibition, effects on *Escherichia coli* membrane-bound DNA sedimentation changes, during amino acids starvation 3613.
- inhibition-adriamycin, leukaemia cells, chickens 5627.
- inhibition-*Tetrahymena* low molecular weight factors 4200.
- inhibitors, review 4014.
- initiation, adenovirus (human) 2-infected HeLa cells 3007.
- initiation, *Escherichia coli*, inhibition-rifampicin, effects on gene expression 3022.
- initiation, influenza A virus, role-protein P1 3579.
- initiation, nuclei, myeloma, mice 3005.
- initiator, polyoma virus, during nucleotides depletion 6024.
- insects, review 3356.
- interferon, effects on, review 2297.
- kidneys, rats, methoxyflurane/enflurane/fluorine, effects on 4835.
- Lemma gibba*, light radiation, effects on 6023.
- Lemma minor*, atrazine, effects on 3193.
- leukaemia cells, mice, stimulation-tumour necrosis factor, rabbits 6844.
- Limnaea* embryos, inhibition-cerulenin 6838.
- liver, chickens, thyroxine/iodine, effects on 5406.
- liver, mice, dimethylnitrosamine, effects on 1515.
- liver, rats, age, effects on 3035.
- liver, rats, ethylene thiourea, effects on 6841.
- liver, rats, following adrenalectomy, radiation (X), effects on 6840.
- liver, rats, following partial hepatectomy, aprotinin, effects on 4837.
- liver, rats, hydrocortisone, effects on 6831.
- liver, rats, hydrocortisone/corticotropin/hypothalamus regulation, age, effects on 6832.
- liver, rats, induction-pregnenolone-16 α -carbonitrile 902.
- liver, rats, sodium ribonucleate, effects on 293.
- liver, rats, stimulation-homologous/heterologous, cytosol 915.
- liver, rats, tryptophan, effects on 4833.
- liver cells, mice, ploidy, effects on 5997.
- liver cells, rats, DNA content, effects on 265.

RNA biosynthesis.(continued)

- liver nuclei, rats, ribonucleoproteins, characterization 4536.
 liver nucleoli, rats, effects on, RNA biosynthesis 1985.
 liver/spleen, rats, post-irradiation, actinomycin D, effects on 435.
 low molecular weight, HeLa cells, sensitivity-radiation (u.v.) 6022.
 low molecular weight, myeloma cells, mice 3599.
 low molecular weight, RNA polymerase II, α -amanitin-resistant Chinese hamsters cells 3256.
 lymphoid tissue, mice, following radiation treatment, phytohaemagglutinin, effects on 6839.
 L1210 cells, inhibition-adenine (9- β -D-xylofuranosyl), coformycin (2'-deoxy), effects on 2512.
 L1210 cells, inhibition-adenosine (3'-deoxy), 2'-deoxycoformycin potentiation 5279.
 macrophages, polychlorinated biphenyl/dieldrin, effects on 6890.
 mammary gland, mice, stimulation-prolactin, 2-nitrophenyl sulphenyl chloride modification, effects on 2505.
 mammary gland cells, mice, unmodified/mercurated CTP, effects on 1514.
 mammary gland explants, mice, quinacrine, effects on 6875.
 mammary tumour virus, regulation-embryos carcinoma cells/teratocarcinoma myoblasts 6003.
 mammary tumour virus, urethane/radiation (X)/hormones-induced mammary gland tumours, BALB/c cells 6820.
 meiosis, human oocytes 1974.
 mice, oestrogen/pituitary grafts, effects on 428, 1650.
 mice, patterns during spermatogenesis 263.
 mice embryos, α -amanitin, effects on 287.
 mice oocytes 264.
 mitochondria, brain, rats 2688.
 mitochondria, brain regions, rats, during development 6327.
 mitochondria, eggs, *Salmo*, ethidium bromide, effects on 6030.
 mitochondria, liver, rats, diabetes, insulin, effects on 4205.
 mitochondria, liver, rats, rifampicin, effects on 3597.
 mitogen-stimulated lymphocytes, ethionine, effects on 1106.
 Moloney leukaemia virus, interferon-treated cells, mice 1981.
Mucor racemosus, during morphogenesis 3027.
Mycococcus, relationship-cell cycle 3026.
 myeloma cells, isoleucine starvation, effects on 1987.
 myeloma cells, mice, inhibition-radiation (u.v.) treated vesicular stomatitis virus 6045.
 myeloma cells, role-vesicular stomatitis virus transcription 4819.
 myocardium, rats, mitochondria, AMP (cyclic), effects on 2519.
 neurons, molluscs, culture medium ionic strength/osmolarity, effects on 286.
Neurospora crassa, caffeine, effects on 6027.
Nicotiana tabacum protoplasts, osmotic stress, effects on 298.
 normal/Rous sarcoma virus-transformed fibroblasts, chickens/mice, dimethyl-10,12-benz(a)acridine, effects on 6908.
 Novikoff hepatoma/normal liver cells, magnesium/calcium, effects on 2730.
 nuclei, brain, rats, acetylcholine, effects on 2517.
 nuclei, liver, rats, inhibition-2-acetylaminofluorene derivatives 6842.
 nuclei, liver, rats, vitamin A deficiency, effects on 3034.
 nucleoli, inhibition-nucleoside triphosphates 4828.
 oestrogen-induced pituitary tumours, rats 2126.
 ovary, rats, stimulation-AMP (cyclic) 1511.
Panulirus longipes, β -ecdysone, effects on 3585.
 pattern, oocytes, mice, during meiosis 262.
 patterns, sea urchins development 261.
Paulownia tomentosa seeds, during dormancy/light stimulation 3194.
 phage ϕ X174, *Escherichia coli* termination factor rho/ribonuclease III, effects on 6000.
 phage ϕ 6, infected *Pseudomonas phaseolicola* 891.
 phage ϕ 6 temperature-sensitive mutant, characterization 907.
 phage M13, *Escherichia coli* minicells 2494.
 phage T4, mot gene mutation, effects on 3018.
 phage T7, rates 2483.
Phaseolus aureus embryos axis, salts/water stress, effects on 2523.
 phospholipids, effects on 3951.
Pinus pinea seeds, indoleacetic acid/gibberellic acid/kinetin/steroid hormones, effects on 1986.
Pinus silvestris pollen, radiation (X)/radiation (u.v.), effects on 6843.
Pisum epicotyls, 2,4-dichlorophenoxyacetic acid, effects on 2508.
Pisum seeds, maleic hydrazide, effects on 6048.
 pituitary, rats, thyroid hormones, effects on 273.
 pituitary cells, rats, luteinizing hormone-releasing hormone, effects on 1512.
 pituitary, rats, hypothalamus extracts/luteinizing hormone-releasing hormone, effects on 3589.
Platichthys flesus, 17 β -oestradiol, effects on 6280.
 poly (A)-containing, adenovirus (human) 2 893.
 poly (A)-containing, *Cichorium intybus*, during buds formation 3624.
 poly (A) containing, *Spinacia oleracea* chloroplasts 6049.
 poly (A)-containing, *Xenopus laevis* embryos 1504.
 poly (A)-containing, *Xenopus laevis* spermatogenesis 6036.
Polysphondylium pallidum, microcysts, germination 1503.
Portulaca oleracea seeds, light, effects on 3472.
 prostate, rats, androgens/cycloheximide, effects on 4489.
 prostate, rats, association-regression 912.
 prostate, rats, cyproterone acetate, effects on 5409.
 prostate nuclei, rats, testosterone, effects on 6013.
 protein biosynthesis dependence, during early germination, *Triticum* embryos 3473.
 proteins-nucleotides recognition, mechanisms 7186.
 rabies virus, BHK-21 cells 1982.
 radiation (γ) treated, liver, rats, cortisone acetate, effects on 6010.
 rate, during cell cycle, *Saccharomyces cerevisiae* 1065.
 rates, *Drosophila* embryos, during development 6032.
 rates, EMT6 cells, association-mitosis 2492.
 rates, thymocytes, rats, high altitude adaptation, effects on 4423.
 rats, carbon tetrachloride, damage 5575.
 rats, hippocampus, conditioning procedure, effects on 913.
 regenerating liver, rats, inhibition-adenosine (3'-deoxy), coformycin (2'-deoxy), effects on 3016.
 regulation, bacteria, review 4592.
 regulation, RNA-containing phages, coat protein mutants 4188.
 regulation, *Vaccaria pyramidata* seeds 6333.
 regulation-insulin 2900.
 relationship-cell walls formation, *Saccharomyces cerevisiae* 4218.
Rhodotorula glutinis, relationship-sodium chloride tolerance 6861.
Rhodotorula gracilis, oxygen, effects on 1519.
Rhoeo discolor, temperature effects 299.
 rhythms, during embryogenesis, models 2482.
 role-amino acids, prebiotic reactions 906.

RNA biosynthesis,(continued)

- role-fatty acids stimulation-very low density lipoprotein production, liver, rats 2518.
- role-lymphocytes T insulin binding sites development 6889.
- role-nerve growth factors induction-tyrosine-3-monooxygenase, rats 4219.
- role-nerve growth factors stimulation-pheochromocytoma cells, rats 2522.
- Rous sarcoma virus, RNA polymerase products, heterogeneity 862.
- Saccharomyces cerevisiae*, inhibition-basic amino acids 1083.
- Saccharomyces cerevisiae*, regulation-cell cycle 1969.
- Saccharomyces cerevisiae*, regulation during cell cycle 4217.
- Schistosoma mansoni*, hycanthone, effects on 2129.
- scleroderma, human 3836.
- Sinapis alba* apex, flowering transition, effects on 922.
- Sindbis virus, *Aedes albopictus* cells, methionine deprivation, effects on 4192.
- single-stranded, tobacco mosaic virus replication deficient temperature-sensitive mutant 4198.
- skin, review 3351.
- Solanum*, tuber discs, aerobic incubation, effects on 468.
- Solanum tuberosum* tubers, characterization 3006.
- spermatozoa differentiation, mammals, review 1324.
- spleen lymphocytes/bone marrow cells, rats, polyanions, effects on 7204.
- Spongilla carteri* cells, aggregation, effects on 7196.
- Spongilla carteri* cells, regulation 6868.
- Staphylococcus aureus*, inhibition-gentamicin C 3155.
- Streptomyces aureofaciens*, chlortetracycline, effects on 6018.
- striate cortex, rats, kainic acid injection, effects on 4836.
- Stylonychia notophora*, metapa, effects on 1990.
- SV40, BSC-1 cells 897.
- sweet potatoes roots, cutting/mercuric chloride, effects on 921.
- termination-nucleoside (3'-O-methyl)5'-triphosphate, RNA/DNA nucleotide sequence methodology 978.
- Tetrahymena pyriformis*, control 2681.
- Thy-1 antigen-positive lymphoma, mitogens, effects on 5580.
- thymocytes, mice 5019.
- thyroid, cattle, thyroid-stimulating hormone, effects on 904.
- thyroid, dogs, thyrotropin, effects on 6014.
- tissues, rats, asbestos/cigarette smoke, effects on 5063.
- tobacco mosaic virus/cowpea chlorotic mottle virus RNA polymerase (RNA-dependent), inhibition-cordycepin triphosphate 4492.
- tobacco mosaic virus/infected plants, ribavirin, effects on 3625.
- tobacco mosaic virus temperature-sensitive mutant 1964.
- Tradescantia paludosa*, role-cell division 3041.
- Triticum*, during maturation 1998.
- Triticum*, ontogenesis 469.
- Triticum aestivum* embryos during development, proteins content, effects on 4843.
- tumours, inhibition-oligonucleotides 919.
- 3T3 cells stimulation-plasma, effects on 4432.
- undernourished rats, orotic acid, effects on 290.
- vesicular stomatitis virus + defective-interfering particles-infected BHK cells 6828.
- vesicular stomatitis virus, human/monkeys cells, interferon, effects on 3008.
- vesicular stomatitis virus, inhibition-frog virus 3, BHK cells, mechanisms 1509.
- vesicular stomatitis virus, initiation in vitro, role-ATP 4195.
- vesicular stomatitis virus host-restricted mutant infected human nonpermissive cells 5404.
- vesicular stomatitis virus-infected HeLa cells/BHK cells 6006.
- vesicular stomatitis virus temperature-sensitive mutant 2500.
- Vibrio (NAG) /Staphylococcus aureus /Escherichia coli*, tetracycline + sodium deoxycholate, effects on 6320.
- viruses, use-amanitins, review 1309.
- Xenopus laevis* embryos, during development 5416.
- yeasts, heat, effects on 3619.
- Zea mays* coleoptiles, manganese/auxins, effects on 2509.
- RNA ligase**, intermediates, analysis 5172.
- phage T4, interaction-tRNA 3'-terminus/5'-terminus 1234.
- phage T4, joining-*Escherichia coli* tRNA fMet oligonucleotides fragments 1871.
- phage T4, oligonucleotides addition-DNA 5'-terminus 3928.
- phage T4, phosphorylation, use-poly-nucleotides 3'-terminus labelling 3440.
- phage T4, purification, methodology 5647.
- phage T4, purification/assays 5173.
- phage T4, reaction mechanisms 2819.
- phage T4, 3'-terminus labelling-high molecular weight RNA 3929.
- phage T4-infected *Escherichia coli*, purification 6450.
- RNA polymerase**, activity, *Antheraea pernyi* wings epidermis, during development, ecdysone, effects on 3248.
- activity, chromatin, lymphoblastoid cells, during proliferation/quiescence 2858.
- activity, during myocardium hypertrophy development 2195.
- activity, *Escherichia coli*, inhibition-rifampicin, mechanisms 3245.
- activity, *Escherichia coli /Staphylococcus aureus*, rifamycins, effects on 2190.
- activity, *Glycine max* hypocotyls, auxins, effects on 2192.
- activity, heart, mice, age, effects on 3252.
- activity, liver, rats, glycerol/dimethyl sulphoxide/polyethylene glycol 400, effects on 522.
- activity, liver/brain, mice, age, effects on 517.
- activity, *Nicotiana* callus, auxins/cytokinins, effects on 4486.
- activity, nucleoli, liver regeneration, rats 523.
- activity, uterus cells, mice, during decidual cell reaction 3249.
- activity, vesicular stomatitis virus-infected myeloma cells, mice 6411.
- activity, *Xenopus* erythroid cells maturation 1176.
- activity, *Zea mays* 7333.
- activity during growth/differentiation, roots, *Zea mays / Tulipa kaufmanniana* 5151.
- activity during parvovirus (bovine) infection-foetal spleen cells nuclei 6004.
- Amanita phalloides /Amanita muscaria /Agaricus bisporus /Achyia ambisexualis* nuclei, inhibition-amatoxins 3254.
- auxins sensitivity, *Glycine max*, role-development 7335.
- Bacillus brevis*, binding-DNA, inhibition-gramicidins, sporulation 1723.
- Bacillus subtilis*, peptide 21K, role-RNA biosynthesis 521.
- Bacillus subtilis*, purification/properties 2196.
- Bacillus subtilis*, rifampicin, effects on 3253.
- Bacillus subtilis*, sigma factor/delta factor, role-transcription 7339.
- Bacillus subtilis*, subunits composition during transcription 6405.
- Bacillus subtilis*, transcription-phage SP82 DNA, sodium chloride, effects on 3606.
- Bacillus thuringiensis*, transcription-sporulation-specific mRNA 1502.
- Bacillus* vegetative cells/spores, purification/characterization 1722.

RNA polymerase,(continued)

- bacteria, inhibitors, review 1318.
 bacteria, transcription initiation, inhibition-liparmycin 4485.
 bacterial, utilization-phase T7 DNA promoters/terminators sites 5623.
 binding sites, *Bacillus subtilis* phage ϕ 29 DNA 3709.
 binding sites, phage λ DNA, mapping, electron microscopy 376.
 binding sites distribution-phase P4 chromosomes 6518.
 biosynthesis, *Escherichia coli* 7334.
 biosynthesis, *Escherichia coli*, nutritional shifts, effects on 284.
 biosynthesis, *Escherichia coli*, β -subunit assembly mutants, regulation 3243.
 calf thymus/*Escherichia coli*, transcription-SV40 minichromosomes DNA 6825.
 cattle liver nuclei, templates specificity 5143.
Caulobacter crescentus, poly (A-U) synthesis 6406.
 chromatin, thymus, inhibition-transcortin hydrocortisone complex 7341.
 chromatin-associated, *Pisum sativum* cotyledons, activity 3251.
 chromatin-bound, *Zea mays* shoots, gibberellic acid, effects on 7338.
 complex formation-tRNA promoters, requirements 7331.
Cryptocodinium cohnii nuclei, assays 7337.
Dictyostelium discoideum, purification/characterization, activity during development 1180.
 DNA polymerase α -associated, sea urchins, characterization 524.
 Drosophila virus X virions-associated, RNA biosynthesis in vitro 1731.
 endogenous, DNA transcription, liver nucleoplasm, rats 4187.
Escherichia coli, activity, regulation-stringent starvation protein 7336.
Escherichia coli, binding-nucleotides 2189.
Escherichia coli, binding sites mapping, *Saccharomyces cerevisiae* DNA 7075.
Escherichia coli, chemical modification-diethylpyrocarbonate 6407.
Escherichia coli, chromatin transcription, liver, rats, following proteins diet restriction 4484.
Escherichia coli, chromatin transcription 5201.
Escherichia coli, complex-adenovirus (humam) 2 DNA, poly (I), effects on 6410.
Escherichia coli, cores enzymes, catalytic properties 5146.
Escherichia coli, cores enzymes, structure 5145.
Escherichia coli, inhibition-glutathione mixed disulphide, mechanisms 6402.
Escherichia coli, initiation reaction, assays 3247.
Escherichia coli, interaction-lactose operon promoters 2788.
Escherichia coli, interaction-lactose promoter, contact location 7478.
Escherichia coli, interaction-phase T7 DNA 336.
Escherichia coli, interaction-promoters, plasmids/phages DNA 3892.
Escherichia coli, interaction-RNA, GMP methyl derivatives, cap analogues, effects on 1861.
Escherichia coli, localization-binding sites, phage S13/phage ϕ X174 DNA, electron microscopy 2614.
Escherichia coli, phage M13 single-stranded DNA binding sites, characterization 999.
Escherichia coli, phage N4-infected, association-cytoplasmic membranes 6413.
Escherichia coli, phage N4-infected, detection/characterization 6412.
Escherichia coli, phage S13/phage ϕ X174 DNA binding sites, localization 380.
Escherichia coli, phage T7 induced, binding-oligonucleotides 2790.
Escherichia coli, phosphodiester bonds formation 1182.
Escherichia coli, promoter recognition, models 1181.
Escherichia coli, RNA biosynthesis, initiation-adenosine/FAD/NAD 6852.
Escherichia coli, RNA chains initiation-phase T7 promoters, kinetics 6851.
Escherichia coli, stereospecificity, adenosine 5'-O-(1-thiotriphosphate) configuration 720.
Escherichia coli, σ -subunit, purification/characterization 5144.
Escherichia coli, subunits, assays 7330.
Escherichia coli, topography 6408.
Escherichia coli, transcription-polyoma virus DNA 1721.
Escherichia coli, transcription selectivity, adenosine tetraphosphate, effects on 2789.
Escherichia coli, transcription-synthetic oligonucleotides, products characterization 6847.
Escherichia coli, transcription termination, RNA secondary structure, effects on 5147.
Escherichia coli, unwinding-phase T7 promoters 7329.
Escherichia coli, UTP (2'-deoxy-2'-fluoro), substrates 3418.
Escherichia coli/*Bacillus subtilis*, phage SPO1-modified, transcription selectivity 5620.
Escherichia coli/calf thymus, herpes simplex virus 1 DNA transcripts, size/sequence analysis 4166.
Escherichia coli/*Caulobacter crescentus*, transcription-phase fd replicative form DNA 6404.
Escherichia coli/Friend leukaemia virus-infected spleen, mice, inhibition-4'-6-diamidino-2-phenylindole, dependence templates base composition 518.
Escherichia coli mutants, role-genes regulation 6409.
Euglena gracilis chloroplasts, characterization 514.
Fremyella diplosiphon, purification/characterization 5622.
 gene amplification, *Escherichia coli* CoIE1, effects on transcription/translation 7238.
 genes, *Escherichia coli*, expression-plasmids clones 7273.
 genes, transcription coordination-ribosomal proteins genes, *Escherichia coli* 4970.
 induction-cytomegalovirus, human diploid cells 1178.
 influenza A virus, wild type/temperature-sensitive mutant, phenotypes, comparison 7343.
 influenza virus, properties 6420.
 interaction, effects on transcription termination, *Escherichia coli* rho mutant 1177.
 interaction-chromatin, induction-auxins, *Glycine max* hypocotyls 2193.
 interaction-lactose operon control regions 3250.
 interaction-lactose promoter, *Escherichia coli* 3345.
 liver, rats, triptophan, effects on 1719.
 L1210 cells, mice, characterization 520.
 mammals, inhibition-5,6-dichlororibofuranosylbenzimidazole 529.
 mutations, *Escherichia coli*, effects on transcription termination 5621.
 mutations, suppression-elongation factor G mutants, *Bacillus subtilis* 3246.
 oncornavirus, review 656.
 phage ϕ 6 capsids-associated activity 6403.
 phage N4, characterization/purification 1179.
 phage T7, binding-promoters 5624.
 phage T7-induced, complex formation-oligonucleotides 5619.
 phage T7-specific, transcription-modified nucleotides-containing phage T7 DNA 519.

RNA polymerase,(continued)

- polypeptides-associated, mengovirus-infected L cells, characterization 7342.
- products, Rous sarcoma virus RNA biosynthesis, heterogeneity 862.
- promoters, *Escherichia coli*, identification-phage λ DNA 994.
- promoters, phage T7, nucleotide sequence 4947.
- Pseudomonas BAL-31*, sigma factor/templates homology, transcription, effects on 5141.
- purification/properties, *Streptomyces aureofaciens* 5142.
- Rhodospirillum rubrum*, purification/characterization 2191.
- RNA templates activity, reovirus, photochemical cross-linking 2980.
- role-enzymes induction, *Spodoptera eridania* larvae 3894.
- role-phage T4 gene expression 1501.
- rpoBC gene, cotranscription-ribosomal proteins rplJ gene/rplL gene, *Escherichia coli* 2161.
- Salmonella typhimurium*, temperature-sensitive mutant isolation/detection 7340.
- sensitivity-rifampin/rifamycin SV/streptovaricin/streptolydigin, *Staphylococcus aureus* antibiotic resistance mutants 3897.
- skeletal muscle, embryos, chickens, levels during differentiation 3893.
- Spodoptera eridania*, purification/characterization 4487.
- β -subunit, biosynthesis, *Escherichia coli*, regulation, role-phage λ 1720.
- β -subunit, genes, *Escherichia coli*, association-ribosomal proteins genes 391, 1605.
- α -subunit, identification/characterization, *Escherichia coli* temperature-sensitive mutant 3896.
- β -subunit genes, *Escherichia coli*, transcription, rifampicin, effects on 6836.
- Sulfolobus acidocaldarius*, characterization 7332.
- temperature-sensitive mutant, *mutants* proteins 3612.
- thymine arabinoside, effects on, in vitro 4042.
- transcription-DNA, liver, rats 515.
- transcription-SV40 DNA late strands 3895.
- viruses, use-amanitins, review 1309.
- yeasts, assays, methodology 2194.
- RNA polymerase (RNA dependent),**
- Brassica oleracea*, purification/molecular weight determination 3906.
- cistrons, phage MS2, nuclease S1 digestion fragments, characterization 4772.
- cistrons, phage MS2, RNA fragments, role-initiation complex formation 4844.
- cowpea mosaic virus, templates recognition 3904.
- cucumber mosaic virus-induced, purification 7360.
- encephalomyocarditis virus-induced, activity, inhibition-Krebs II ascites cells components antibodies 3907.
- induction, influenza A virus infected cell culture, ribavirin, effects on 3260.
- L protein/NS protein, binding-vesicular stomatitis virus nucleocapsids 527.
- lettuce necrotic yellow virus, assays, infected plants 3258.
- Nicotiana tabacum*, purification/characterization 3259, 3905.
- Penicillium stoloniferum virus S-associated, double-stranded RNA replication 2793.
- phage Q β , role-RNA replication, mechanisms 5401.
- phage Q β /phage SP, templates specificity 4494.
- phage SP, infected *Escherichia coli*, characterization 2792.
- Pichinde virus, characterization 4493.
- plants, in vitro RNA biosynthesis, inhibition ATP (3'-deoxy) 1188.
- poliovirus, purification/characterization 7359.
- poliovirus, regulation in vivo 1730.
- properties, normal/alfalfa mosaic virus-infected *Nicotiana* 3903.
- tobacco mosaic virus/cowpea chlorotic mottle virus, RNA biosynthesis, inhibition-cordycepin triphosphate 4492.
- vesicular stomatitis virus, inhibition-envelopes proteins 7328.
- vesicular stomatitis virus, temperature-sensitive mutation, activity, effects on 5630.
- vesicular stomatitis virus-associated, inhibition, reversal-polyanions 528.
- Vigna unguiculata*, characterization 3902.
- RNA polymerase I,**
- Acanthamoeba castellanii*, purification/subunits structure 525.
- activity, kidney, mice, testosterone/medroxyprogesterone acetate, effects on 1184.
- activity, liver, rats, fasting/tryptophan force-feeding, effects on 5626.
- activity, liver cells, rats, rRNA biosynthesis 3001.
- activity, nucleoli, Ehrlich ascites tumour cells, protein biosynthesis inhibition, effects on 5625.
- activity, *Pisum sativum*, light, effects on 7346.
- activity, RNA biosynthesis, prostate, rats, androgens/cycloheximide, effects on 4489.
- activity during regeneration, liver, rats 4496.
- Antheraea pernyi*, wings, epidermis, purification/characterization 2198.
- brain, rats, proteins dietary restriction, effects on 2200.
- chromatin-bound, conservation during mitosis, role-chromosomes structure 3898.
- Ehrlich ascites tumour cells, inhibition-zinc 6415.
- embryos, chickens, purification 1724.
- Friend virus-infected spleen, mice, inhibition thiolated poly (C) 2197.
- inhibition-Ehrlich ascites tumour cells protein factors 1183.
- KB cells, heat, effects on 6414.
- Lemna gibba* nuclei, activity during continuous light 7344.
- Rauscher leukaemia virus-infected spleen, mice, properties 6416.
- Rauscher leukaemia virus-infected spleen, mice, methotrexate, effects on 7345.
- skeletal muscle nuclei, stimulation-denervation 2199.
- Spodoptera eridania*, purification/characterization 2781.
- transcription specificity, *Saccharomyces cerevisiae* chromatin/nuclei 3255.
- yeasts, properties, role-subunits 7347.
- yeasts, transcription rate 3571.
- RNA polymerase II,**
- Acanthamoeba castellanii*, catalytic properties, subunits topography, encystment, effects on 2201.
- Acanthamoeba castellanii*, preparation/subunits composition 5628.
- activity, inhibition-adriamycin, leukaemia cells, chickens 5627.
- activity, intestine, rats, 1 α -hydroxyvitamin D3, effects on 1185.
- activity, kidney, mice, testosterone/medroxyprogesterone acetate, effects on 1184.
- activity, liver, rats, fasting/tryptophan force-feeding, effects on 5626.
- activity, liver, rats, protein biosynthesis inhibition, effects on 3899.
- activity, *Pisum sativum*, light, effects on 7346.
- activity, RNA biosynthesis, prostate, rats, androgens/cycloheximide, effects on 4489.
- activity during regeneration, liver, rats 4496.

- Agaricus bisporus*, purification/characterization 4491.
Antheraea pernyi, wings, epidermis, purification/characterization 2198.
Artemia salina, stimulators, characterization 7355.
 brain, rats, proteins dietary restriction, effects on 2200.
 calf thymus, transcription-polyoma virus DNA 1186.
 calf thymus/wheat germ, interaction-SV40 double-stranded DNA, comparison 7353.
 CHO cells, polypeptides biosynthesis, regulation 6417.
 chromatin-bound, conservation during mitosis, role-chromosomes structure 3898.
 deficient *Saccharomyces cerevisiae* strains, isolation/characterization 7351.
Drosophila melanogaster, properties 7349.
 embryos, chickens, purification 1724.
 Friend virus-infected spleen, mice, inhibition-thiolated poly (C) 2197.
 heart nuclei, stimulation pressure (hydrostatic) 526.
 inhibition-Ehrlich ascites tumour cells protein factors 1183.
 initiation sites, *Drosophila melanogaster* DNA, quantitation 7350.
Lemna gibba nuclei, activity during continuous light 7344.
 liver, rats, purification 1726.
 low molecular weight RNA biosynthesis, α -amanitin-resistant Chinese hamsters cells 3256.
Manduca sexta larvae, fat bodies, isolation/characterization 2791.
 multiple forms, *Petroselinum*, purification/characterization 4490.
 nuclei, embryos, *Xenopus laevis*, stimulation-poly d(A-T) 7354.
 nuclei, larvae, *Artemia salina*, aurointricarboxylic acid, effects on 7348.
 nuclei, liver, chickens, isolation-deoxyribonuclease I digestion-chromatin 7357.
Physarum polycephalum, purification, association-actin 4488.
 Rauscher leukaemia virus-infected spleen, mice, properties 6416.
 Rauscher leukaemia virus-infected spleen, mice, methotrexate, effects on 7345.
 role-SV40 DNA transcription, *Xenopus* oocytes 6279.
Saccharomyces cerevisiae, transcription-DNA-histones complex 1728.
 skeletal muscle nuclei, stimulation-denervation 2199.
Spodoptera eridania, purification/characterization 2781.
 stimulation factors antibodies, inhibition-Ehrlich ascites tumour cells RNA biosynthesis 6883.
 stimulatory factors, Ehrlich ascites cells, purification/characterization 1725.
 thymus, sheep, stimulation factors purification/characterization 5629.
 transcription-histones RNA, *Strongylocentrotus purpuratus* / *Lytechinus pictus* 1727.
Triticum, interaction-plasmids templates 3257.
 vaccinia virus, role-late transcription 7356.
 wheat germ, interaction-adenovirus (human) 2 DNA 7352.
RNA polymerase III,
Acanthamoeba castellanii, cysts/trophozoites, comparison 6418.
Acanthamoeba castellanii, purification/characterization 1729.
 activity, *Acanthamoeba castellanii* 1187.
 activity, liver, rats, protein biosynthesis inhibition, effects on 3899.
 embryos, chickens, purification 1724.
 infected HeLa cells, transcription-adenovirus (human) 2 DNA, in vitro 3900.
 Rauscher leukaemia virus-infected spleen, mice, properties 6416.
Spodoptera eridania, purification/characterization 2781.
 transcription-adenovirus (human) 2/*Xenopus* oocytes DNA, fidelity, human/mice/amphibians, cells 7358.
 transcription specificity, *Saccharomyces cerevisiae* chromatin/nuclei 3255.
Xenopus laevis, transcription-*Xenopus* rRNA 5S genes 3901.
RNA replicase, see **RNA polymerase (RNA-dependent)**, **mRNA**,
 α -globin/ β -globin precursors, Friend erythroleukemia cells RNA, characterization 3563.
 abundance, L cells, relationship-size/stability 5399.
 accumulation, interferon-treated Ehrlich ascites tumour cells 6927.
 accumulation, liver, rats, following partial hepatectomy, proteins deprivation, effect on 4708.
 Achlya ambisexualis, @@@ 03015P2achla 3029.
 actin, mice, sarcoma-180 ascites cells, characterization/poly (A) content 886.
 actin, sarcoma ascites cells, mice, translation efficiency/stability 6078.
 activity, dexamethasone-induced, HTC cells, effects on/hormones withdrawal, effects on 846.
 activity, fibroblasts, monkeys, growth, effects on 2010.
 activity, Rous-associated virus 2 envelopes glycoproteins RNA 3637.
 adenocarcinoma cells, pituitary, mice, corticotropin biosynthesis, wheat germ cell-free system 4251.
 adenosine (N-6-methyl)-labelled, frequency, HeLa cells 918.
 adenovirus (human) 12, isolation-infected/transformed cells, translation in vitro 4236.
 adenovirus (human) 2, hybridization-complementary DNA, hybrids purification, chromatography 6768.
 adenovirus (human) 2, leaders segments, nucleotide sequence analysis, use-cloned complementary DNA 4776.
 adenovirus (human) 2, nucleotide sequence mapping 855.
 adenovirus (human) 2, processing 2484.
 adenovirus (human) 2, 5'-terminus caps, guanine (7-methyl)/adenine (N⁶-methyl) containing, antibodies recognition 5948.
 adrenocorticotropin/ β -lipotropin, mice, complementary DNA fragments cloning/sequence analysis 5523.
 albumin, content, liver, chickens, oestrogen, effects on 3011.
 albumin, content, normal/diabetes, liver, rats, relationship-albumin biosynthesis rates 2539.
 albumin, distribution, liver, rats, fasting, effects on 924.
 albumin, levels, liver, rats, growth hormone/hypophysectomy, effects on 3591.
 albumin, liver, mice, purification/characterization 6805.
 albumin, polyribosomes, liver, rats/ α -foetoprotein, Morris hepatoma, purification/quantitation during development 6922.
 albumin/malic enzyme, liver, chickens, translation-wheat germ lysates/*Xenopus laevis* oocytes 6069.
 alpha foetoprotein, yolk sac, rats, translation-wheat germ cell-free system, products characterization 6921.
 amylase, biosynthesis, pancreas, rats, development, dexamethasone/uridine (5-bromodeoxy), effects on 903.
 α -amylase, pancreas, rabbits, translation-wheat embryo cell-free system, products analysis 4248.
 amylase, pancreas, rats, tissues specificity/accumulation, during development, embryos 4184.
 analysis, phage MS2, use-A protein structure 1468.
 antifreeze peptides, *Pseudopleuronectes americanus*, translation, environmental effects 4245.

mRNA,(continued)

- antigen T, SV40, translation-cell-free system 5339.
- avian sarcoma virus, transposition-genomes 5'-terminus sequences 1471.
- avian sarcoma virus-specific, polyribosomes, infected-chickens cells, characterization 6904.
- binding-*Escherichia coli* ribosomal subunit 50S, role-ribosomal proteins 1172.
- binding regions, *Escherichia coli* ribosomes, characterization 802.
- binding-ribosomal subunit 30S, role-lysine ϵ -amino groups 797.
- binding sites, ribosomal protein S18, *Escherichia coli* ribosomes, identification 4108.
- biosynthesis, *Ciona intestinalis*, during embryogenesis 3620.
- biosynthesis, control-hormones, review 10.
- biosynthesis, during cell cycle, *Schizosaccharomyces pombe* 3618.
- biosynthesis, *Glycine max* hypocotyls, role-actinomycin D/blasticidin S-mediated resistance, *Phytophthora megasperma* infection 279.
- biosynthesis, herpes simplex virus, control, infected cells 2495.
- biosynthesis, patterns, during cell cycle, *Schizosaccharomyces pombe* 3617.
- biosynthesis, *Pisum* chloroplasts, during iron deficiency recovery 5420.
- biosynthesis, seminal vesicle, rats, testosterone, effects on 274.
- biosynthesis, SV40 deletion mutant 3020.
- biosynthesis/translation/turnover, 3T6 cells 267.
- biosynthesis/turnover, *Calliphora erythrocephala* salivary gland 5995.
- biosynthesis, liver, rats, regulation-hormones, review 4006.
- BK virus, human embryos kidney cells, mapping 6776.
- Bombyx mori* mutants, instability 6898.
- brain, mice, homology-poly (A)-containing RNA (heterogeneous nuclear) 1493.
- brome mosaic virus, translation-wheat germ cell-free system, inhibition-guanosine caps analogues 6911.
- BSC-1 cells, cytidine (5'-aza), effects on 3401.
- calcium-binding protein, biosynthesis, intestine, chickens, stimulation-1,25-dihydroxycholecalciferol 1983.
- calliphorin, *Calliphora vicina*, translation/analysis 313.
- calliphorin, *Calliphora vicina* larvae, purification/reverse transcription 6067.
- capped/uncapped, initiation factor M3-dependent translation, reticulocyte lysate cell-free system 830.
- capsid protein, phage M13, DNA, localization-initiation/termination sites 379.
- capsid protein, polyoma virus, characterization 859.
- carbamyl phosphate synthetase I, liver, *Rana catesbeiana*, translation-rabbits reticulocytes/thyroxine induction 6917.
- caseins/ α -lactalbumin, isolation-normal/tumours, human mammary gland 3522.
- catalase, liver, catle, isolation/translation 4766.
- catalase, liver, rats, translation, haemin/inhibitors, effects 6071.
- catalase, polyribosomes, liver, rats, translation 6920.
- catalase, *Saccharomyces cerevisiae*, translation-cell-free system 5433.
- characterization, histones genes activity, during embryogenesis, *Paracentrotus lividus* 3031.
- chorion, *Antheraea polyphemus*, translation-wheat germ cell-free system, inhibition-guanosine (7-methyl) antibodies 7400.
- circular, attachment-eukaryotes ribosomes 6903.
- coat protein, alfalfa mosaic virus, requirements-cowpea protoplasts infection 2007.
- coat protein, phage MS2, nucleotide sequence, relationship-rRNA 16S 3'-terminus 1933.
- coding capacity, during growth, animal cells 6059.
- codons frequency, relationship-isoaccepting tRNA concentration, eukaryotes 5695.
- collagen, biosynthesis, Rous sarcoma virus-transformed embryo fibroblasts, chickens 899.
- complementary DNA, electron microscopy 3777.
- containing, ribonucleoproteins, characterization, encephalomyocarditis virus infected Krebs II ascites cells 5189.
- content, calvaria, embryos, chickens, relationship-procollagen biosynthesis regulation during development 4856.
- content, *Lycopersicon esculentum*, during ripening 1538.
- corticotropin/ β -lipotropin precursors, distribution-pituitary, cattle 4148.
- corticotropin/ β -lipotropin precursors, pituitary, cattle, purification/characterization 5398.
- creatine kinase isoenzymes, embryo cells, chickens, detection 227.
- creatine kinase subunits, chickens embryo cells, levels during development 6873.
- cross-linking-proteins, polyribosomes, L cells, induction-radiation (u.v.) 2982.
- crystallin, lens, chicken, isolation/translation-cell-free system 936.
- crystallin, lens, chickens, sequence/distribution 880.
- cytoplasmic, transcription units, myeloma cells, mice, characterization 884.
- degradation, free/membrane-bound polyribosomes, liver, rats, cycloheximide/actinomycin D, effects on 4158.
- degradation, interferon-treated embryo cells, chickens, double-stranded RNA, effects on 4230.
- degradation-interferon, mechanism, vesicular stomatitis virus-infected cells 2013.
- Dictyostelium*, 5'-terminus repeated sequence 4788.
- Dictyostelium discoideum*, abundance changes during development 5925.
- Dictyostelium discoideum*, repeated sequence content 5970.
- Dictyostelium discoideum* vegetative cells, fractionation/function analysis 4244.
- dihydrofolate dehydrogenase, abundance, methotrexate-resistant 3T6 cells, control-polyoma virus/AMP (cyclic) 4252.
- dissociation-initiation factor 2, reticulocytes 1924.
- DNA-binding protein, precursors, adenovirus (human) 2, splicing patterns 5372.
- Drosophila* /HeLa cells, abundance, relationship-lifetime 1457.
- Drosophila melanogaster*, sequence complexity during embryogenesis 6800.
- Drosophila melanogaster* larvae fat body, induction-ecdysone 1510.
- Drosophila melanogaster* oocytes, coding activity/stability 3641.
- Drosophila melanogaster* ovary follicles, identification/localization 4146.
- early, adenovirus (human) 2, restriction endonuclease EcoRI fragments, mapping 3105.
- early, adenovirus (human) 2, 5'-terminus caps, characterization 4774.
- early, biosynthesis, adenovirus (human) 5 deletion mutant 7109.
- early, SV40, characterization 864.
- early, SV40, structure 4779.

mRNA,(continued)

- early, SV40, 5'-terminus-structure, characterization 6790.
 early, *Xenopus laevis* liver, oestradiol, effects on 3048.
 early/late, SV40, translation products, characterization 6063.
 elastin, aorta, isolation/translation 4247.
 embryo fibroblasts, chickens, processing/function 6043.
 embryos, mice, extraction/translation in vitro, methodology 6770.
 erythroid cells, chickens, sequence complexity 3557.
Escherichia coli, half-life 2534.
Escherichia coli, phosphorus-32 incorporation, mutagenesis 3596.
Escherichia coli, selective inactivation, regulation-ribosomal proteins biosynthesis 6727.
Escherichia coli tryptophan operon, endonuclease cleavage, leaders RNA production 5432.
Euglena gracilis, base composition determination, chromatography (high-pressure liquid) 1489.
 eukaryotes, binding-proteins, biogenesis 2533.
 exo-1,4- α -glucosidase, *Aspergillus niger*, stability, membrane-bound polyribosomes-associated 2467.
 fibres, Adenovirus (human) 2, spliced structure 1470.
 fibroin, silk gland, *Bombyx mori*, 3'-terminus nucleotide sequence 6799.
 fibronectin, fibroblasts, embryos, chickens, purification/characterization 6918.
 α -foetoprotein, Morris hepatoma, isolation 5938.
 α -foetoprotein, yolk sac, mice, isolation 5936.
 formation, adenovirus (human) 2, RNA splicing 1935.
 Friend leukaemia virus, expression-Friend erythroleukaemia cells, dimethyl sulphoxide + uridine (bromodeoxy) treatment, effects on 6044.
 fructose-bisphosphate aldolase isoenzymes, hepatoma cells, rats, characterization 3566.
 galactokinase, *Saccharomyces cerevisiae*, purification, methodology 4764.
 galactose, gene expression, *Saccharomyces cerevisiae* 2912, 3028.
 β -galactosidase/ribosomal protein L12/ribosomal protein L10/elongation factor Tu, *Escherichia coli*, translation 934.
 gastrin, antrum, hogs, detection/partial nucleotide sequence analysis 4793.
 gastrin, mucosa, intestine, pigs, detection, use-oligodeoxyribonucleotides probes 6764.
 gene expression, regenerating kidney, mice 3033.
 gene 32, translation, regulation-phage T4 DNA-binding protein 3981.
 genes, localization-DNA, mitochondria, liver, rats 5528.
 genes, vesicular stomatitis virus genomes RNA, mapping 6792.
 genomes expression/sequence complexity, *Petroselinum sativum* 4841.
 globin, binding-initiation factor 2, reticulocytes, rabbits 5918.
 globin, biosynthesis, embryo erythroid cells, mice, relationship-globin biosynthesis 888.
 globin, biosynthesis, erythroblasts, chickens, avian erythroblastosis virus, effects on 270.
 globin, biosynthesis, erythroleukaemia cells, mice, relationship-cell cycle 889.
 globin, biosynthesis, erythroleukaemia cells chromatin, DNA dependence 3036.
 globin, chromatin, foetal liver, mice, transcription specificity 6876.
 globin, concentration, gene expression, Friend erythroleukaemia cells, haemoglobin biosynthesis induction, effects on 3039.
 globin, defects, haemoglobin Lepore 4795.
 globin, deficiency, reticulocytes, Belgrade rats 1536.
 globin, determination-precursors size 245.
 globin, embryos, mice, isolation/characterization 882.
 globin, erythroblasts nuclei, ducks, cross-linking-RNA (heterogeneous nuclear), use-aminomethyltrioxalen 5396.
 β -globin, human β -thalassaemia, nucleotide sequence 5984.
 globin, precursor, mice, nucleotide sequence 881.
 globin, precursors, occurrence-erythrocytes, ducks 4147.
 β -globin, precursors, sequence organization 254.
 globin, primers-influenza virus RNA transcription in vitro 894.
 globin, rabbits, nucleotide sequence 1494.
 globin, rabbits, translation-human cell lines, following liposomes-mediated insertion 2538.
 globin, rabbits, translation in vitro, caps requirement 4242.
 globin, rabbits, translation-lymphocytes, mice, following liposomes-mediated insertion 2537.
 globin, rabbits reticulocyte lysate, quantitation/localization 6765.
 globin, sheep, accumulation/gene expression 916.
 β -globin, 3'-terminus, role-in vitro translation 3646.
 globin, 5'-terminus caps, transfer-influenza virus complementary RNA, during transcription 4778.
 globin, transcription-Friend erythroleukaemia cells, interferon, effects on 3037.
 β -globin, translation-Friend erythroleukaemia cells, control-haemin 2542.
 globin, translation in vitro, role-guanosine (7-methyl) 314.
 α -globin/ β -globin, content, bone marrow cells, rabbits 5930.
 α -globin/ β -globin, human, 5'-terminus methylation, characterization 256.
 α -globin/ β -globin, interaction-initiation factor 2, competition 5919.
 α -globin/ β -globin, mice, 5'-terminus non-coding regions, nucleotide sequence 1955.
 α -globin/ β -globin, rabbits, comparison-caps structure 2472.
 α -globin/ β -globin, ratio, spleen, mice 3644.
 α -globin/ β -globin, stability, Friend erythroleukaemia cells, herpes simplex virus infection, effects on 930.
 β -globin-like, occurrence-haemoglobin Lepore 5929.
 α -globulin, hepatocytes, rats, induction-glucocorticoids, in vitro 793.
 α -globulin, induction-glucocorticoids, hepatocytes, inhibition-cycloheximide 6015.
 α -globulin, induction-glucocorticoids, liver, castrated rats 1893.
 α -globulin, liver, rats, induction-actinomycin D 4209.
 glucose-6-phosphate dehydrogenase, liver, rats, carbohydrates-induced biosynthesis 291.
 β -glucuronidase, activity, mice, control-Gus gene Gur locus 3643.
 glutamine synthetase, control-hydrocortisone, retina, chickens embryos 271.
 glutamine synthetase, levels, *Neurospora crassa*, regulation-nitrogen sources 3047.
 glutamine synthetase, retina polyribosomes, chickens embryos, interferon suppression-induction 6068.
 glyceraldehyde-phosphate dehydrogenase/enolase/phosphoglycerate kinase, *Saccharomyces cerevisiae*, isolation/identification 1929.
 glycoproteins, Semliki Forest virus, translation, mechanisms 5430.
 GMP (7-methyl)-containing caps, metabolism, eye lens cells, chickens 6034.
 growth hormone, induction-thyroid hormone, pituitary, rats 2507.
 growth hormone, levels, regulation-triiodothyronine/

mRNA.(continued)

- glucocorticoids agonists/antagonists, pituitary cell lines, rats 3013.
- growth hormone precursors, detection, GH3 cells 5931.
- growth hormone/prolactin, accumulation, pituitary, rats, thyroid hormones/oestrogen, effects on 6009.
- guanylyltransferase, activity, vaccinia virus, characterization, 568.
- guanylyltransferase, vaccinia virus, purification 567.
- haemoglobin, *Artemia salina*, absence during gastrulae development 6914.
- β -haemoglobin, sequences, assays during haemoglobin A-haemoglobin C switching, sheep 226.
- haemoglobin, structure, o.r.d./c.d./spectroscopy (u.v.) 879.
- half-life, *Anacystis nidulans*, relationship-growth rate 3030.
- heat denaturation, secondary structure analysis 5942.
- hepatoma cells, regulation-tyrosine aminotransferase biosynthesis in vitro 2543.
- herpes simplex virus, detection-infected trigeminal ganglion, mice 1061.
- herpes simplex virus 1, isolation/localization 5376, 6781.
- herpes simplex virus 1, separation/characterization 5950.
- hexons, adenovirus (human) 2, 5'-terminus non-coding regions, nucleotide sequence 4775.
- histocompatibility antigens heavy chains/light chains, lymphoblastoid cell lines, translation-cell-free system 5437.
- histone H2b, *Strongylocentrotus purpuratus*, 5'-terminus nucleotide sequence 5975.
- histones, *Arbacia punctulata*, occurrence, association-transcription 935.
- histones, biosynthesis, *Lytechinus pictus*, association-embryogenesis 285.
- histones, late, identification, *Strongylocentrotus purpuratus* 6066.
- histones, purification, methodology 2977.
- histones, translation, control, HeLa cells, role-proteins phosphorylation 3051.
- hordein, endosperm, *Hordeum* wild type/mutants, isolation/translation 4767.
- Hordeum vulgare*, hydrolysis during *Erysiphe graminis* infection 4861.
- hosts/encephalomyocarditis virus, degradation specificity, interferon-treated HeLa cells, mechanisms 6901.
- human γ -globin, 5'-terminus, nucleotide sequence 1054.
- human γ -globin, 3'-terminus, nucleotide sequence 2476.
- human haemoglobin A, stability, role-haemoglobin gene expression 1896.
- human heavy chain disease, translation/purification 939.
- human insulinoma, translation, cell-free system 316.
- human liver/leukaemia (lymphoblastic) cells, genes complexity/abundance classes 5983.
- human placental lactogen, translation-wheat germ cell-free system, products analysis 4098.
- human thyroid cells, normal tissues/diseases, properties, comparison 6074.
- hybridization-nonhistone proteins-DNA, liver, rats 7463.
- hypothalamus, cattle, translation-wheat germ cell-free system, neurophysin-containing products identification 6924.
- immunoglobulins, biosynthesis/processing, MPC-11 cells 2493.
- immunoglobulins, mice, nucleotide sequence determination, methodology 2471.
- immunoglobulins, review 1323.
- immunoglobulins heavy chains, myeloma, mice, isolation/characterization 4799.
- immunoglobulins heavy chains, 3'-terminus, homologous sequence, occurrence-thymocytes RNA 4760.
- immunoglobulins light chain, complementary DNA, characterization 1051.
- immunoglobulins light chain, use-recombinant DNA synthesis 1142.
- immunoglobulins light chains, biosynthesis, lipopolysaccharide activated spleen cells, mice, mechanisms 4816.
- immunoglobulins light chains, human, isolation/translation 2444.
- immunoglobulins light chains, precursors patterns, plasmacytoma, mice, comparison 6929.
- immunoglobulins light chains, purification-myeloma, mice, methodology 2438.
- immunoglobulins light chains, transcription unit, mapping 3790.
- immunoglobulins light chains, translation, role-tRNA Met 2531.
- influenza virus, transcription, radiation (u.v.), effects on 6834.
- informosomes/polysomes, CHO cells, formation/polyadenylation, kinetics, comparison 3576.
- interaction-ribosomes, eukaryotes, role-coding sequence 5428.
- interferon, cells, mice, interferon priming, effects on 6075.
- interferon, human fibroblasts, stability-*Xenopus laevis* oocytes, role-3'-terminus poly (A) 928.
- interferon, human lymphoblastoid cell lines, characterization 6389.
- interferon, induction-antiviral activity, L929 cells 4849.
- interferon, localization-human fibroblasts 2011.
- interferon, L929 cells, translation in vitro/in vivo 940.
- interferon, translation, review 2278.
- interferon/antiviral protein, analysis, comparison 4851.
- isolation/characterization, eukaryotes, review 2882.
- isolation/characterization, long-term 17 β -oestradiol treated *Xenopus laevis* 2440.
- isolation-Glycine max seeds 202.
- α -lactalbumin, translation, mammary gland, rats 938.
- α -lactalbumin/caseins, content-mammary gland, rats, during gestation/lactation 6012.
- α -lactalbumin/caseins, regulation, mammary gland, rats 276.
- lactogen, human placenta, translation-*Xenopus laevis* oocytes 5436.
- lactose operator, biosynthesis/degradation, ribosomal subunit 30S-depleted *Escherichia coli* 6854.
- lactose operator, *Escherichia coli*, effects on β -galactosidase mRNA translation initiation 4243.
- lactose operon, *Escherichia coli*, turnover, association-dihydrofolate reductase inhibition 1540.
- lactose promoter, *Escherichia coli*, transcription in vitro 4806.
- late, adenovirus (human) 2, 5'-terminus, nucleotide sequence 3535.
- late, phase T7, fractionation/translation 234.
- late, polyoma virus, leaders sequence, amplification 3541.
- late, polyoma virus, 5'-terminus caps, structure 3540.
- late, splicing, adenovirus (human) serotypes, comparison 5945.
- late, SV40, splicing 4172.
- late, SV40 deletion mutant, 5'-terminus caps, heterogeneity 6791.
- leader sequence, adenovirus (human) 2 x SV40 hybrids, role-translation 1934.
- leghaemoglobin, *Lupinus*, isolation/translation 6930.
- Lemna gibba*, regulation-light 920.
- lens, embryos, chickens, translation, caps sequence hydrolysis, effects on 5860.
- lens crystallin, translation-reticulocyte lysate, inhibition-caps

mRNA, (continued)

- analogue 1534.
levels, cytosol, relationship-protein biosynthesis, yolk sac tumours, rats 2545.
lysozyme, genes, cloning 484.
mammalian, nearest neighbour analysis 255.
mammary gland, cattle, translation-wheat germ cell-free system, biosynthesis- β -lactoglobulin precursors 4250.
mammary tumour virus, detection-producer cells, mice 4754.
mammary tumour virus, translation-cell-free system 4093.
maternal, *Lytechinus pictus* zygotes, poly (A) complex formation-proteins, following fertilization 5245.
melitin, isolation/translation 5707.
metabolism, adenovirus (human) 2-transformed cell lines, embryos, rats 3623.
metabolism, ascites cells, mice, role-poly (A) sequence 6877.
metabolism, models 4804.
metabolism, ribonuclease III-deficient *Escherichia coli* 908.
metallothionein, liver, rats, purification/characterization, translation-wheat germ cell-free system 2475.
metallothionein, liver, rats, translation-wheat germ cell-free system 2540.
methylation, vesicular stomatitis virus, inhibition-cycloleucine, effects on transcription/translation 4194.
methylation/translation/regulation, interferon-treated cells 2520.
microsomes membranes-associated, pancreas, dogs, translation-wheat germ cell-free system, products analysis 6073.
milk proteins, sequence, occurrence-high molecular weight poly (A)-containing RNA, mammary gland, guinea-pigs 6763.
monophenol monooxygenase, *Coriolus versicolor* /*Pleurotus ostreatus* /*Pholiota mutabilis*, characterization 1951.
mouse hepatitis virus/coronavirus (murine), characterization 5955.
murine sarcoma virus transformed cells, characterization 5960.
myeloma, mice, reverse transcription/translation-cell-free system 3648.
myogenic cell lines, protein biosynthesis-cell-free system, actinomycin D, effects on 941.
myosin/globin, chromatography (affinity) fractionation-ribosomal subunit 40S initiation factors, muscles, chickens embryos 4746.
myosin/globin, translation, inhibition-translation control RNA, embryos muscles, chickens 2442.
myosin heavy chains, myoblasts/myotubes, chickens, distribution during differentiation 5928.
myosin heavy chains, myotubes, rats, isolation/purification 4155.
myosin heavy chains, translation-cell-free system 5438.
myosin light chains, heart, chickens, isolation/purification 2978.
Naegleria gruberi, poly (A) sequence, characterization 5389.
Newcastle disease virus, transcription/translation, in vitro 933.
normal liver/hepatoma, mice, characterization 2996.
occurrence-*Allomyces macrogynus* mitospores 5926.
occurrence-endoplasmic reticulum, liver, rats 3521.
oestrogen-induced, liver, chickens, cloning-complementary DNA 7280.
opsin, retina, cattle, in vitro translation 6072.
orotidine 5'-phosphate decarboxylase, *Saccharomyces cerevisiae*, transcription regulation 2999.
ovalbumin, cloned complementary DNA, transcription-*Xenopus laevis* oocytes 6370.
ovalbumin, 5'-terminus structure 251.
ovalbumin, transcription/translation, chickens, oestrogen/progesterone, effects on 2503.
ovalbumin, translation, oviduct, chickens, regulation-oestrogen/progesterone 1890.
ovalbumin/conalbumin, biosynthesis, oviduct, chickens, stimulation-oestrogen 2504.
ovalbumin/conalbumin, chickens oviduct, transcription/translation-rabbits reticulocyte lysate, methylmercury hydroxide, effects on 6874.
ovalbumin/ovomucoid/lysozyme, control during oestrogen administration/withdrawal, chickens 3012.
ovomucoid, precursors, identification, oviduct, chickens 3519.
palindromes, length, computer programs 244.
pancreas, rats, accumulation during embryos development 4220.
parathyroid hormone, cattle, characterization/purification 883.
parathyroid secretory protein precursors, parathyroid, cattle, isolation/translation-cell-free system, products characterization 6923.
partial methylated, location-cytoplasm, Novikoff hepatoma cells 3524.
phage f1-specific, characterization, infected *Escherichia coli* 4234.
phenylalanine ammonia-lyase/flavanone synthase, induction-radiation (u.v.), *Petroselinum hortense* 3626.
phosphoenolpyruvate carboxykinase (GTP), purification/characterization, liver, rats 1956.
phosphoenolpyruvate carboxykinase (GTP), biosynthesis, liver, rats, association-development 266.
Physarum polycephalum, identification 5971.
plasmacytoma cells, mice, biosynthesis/processing-immunoglobulins light chains, *Xenopus laevis* oocytes 4857.
poly (A) containing, accumulation-regenerating liver, rats 4222.
poly (A) containing, brain, mice, sequence complexity 6804.
poly (A) containing, chromatography (affinity) 2443.
poly (A) containing, chromatography (affinity), methodology 3525.
poly (A)-containing, *Glycine max* roots/*Rhizobium*-infected nodules, sequence complexity 6811.
poly (A) containing, liver, rats, content/complexity, thyroid hormone, effects on 4794.
poly (A)-containing, localization-Friend cells RNA (heterogeneous nuclear) 1959.
poly (A)-containing, *Panagrellus silusiae*, isolation/translation in vitro 5393.
poly (A) containing, phytohaemagglutinin-stimulated human lymphocytes, degradation phytohaemagglutinin 6055.
poly (A) containing, polyribosomes, Ehrlich ascites tumour cells, sequence complexity 5986.
poly (A) containing, polyribosomes, mice, hybridization-double stranded RNA, complementary sequence 5978.
poly (A)-containing, polyribosomes, *Saccharomyces cerevisiae* 2415.
poly (A) containing, prostate, rats, translation-wheat germ cell-free system, androgens regulation 4096.
poly (A) containing, protamine, translation-wheat germ/rabbits reticulocyte lysate cell-free system 6076.
poly (A)-containing, *Saccharomyces cerevisiae* polyribosomes, size 5974.
poly (A) containing, separation, Ehrlich ascites tumour cells, methodology 3530.
poly (A)-containing, turnover, rats myocardium 1525.
poly (A)-containing/lacking, hepatoma cells, rats, translation-

mRNA.(continued)

- cell-free system 6077.
- polyoma virus, purification, use-immobilized DNA 4151.
- polyribosomes, ethionine-treated liver, rats, association-endoplasmic reticulum membranes 6053.
- polyribosomes, liver, rats, isolation, chromatography (affinity), use-poly (U)-Sephrose 4B 237.
- polyribosomes, neuroblastoma cells, poly (A) content 6809.
- polyribosomes/ribonucleoproteins, *Strongylocentrotus purpuratus* embryos, translation efficiency, comparison 6915.
- precursors, adeno-associated virus, isolation, methodology 3527.
- precursors, avian leucosis virus envelope glycoprotein, identification 1939.
- precursors, bone marrow cells, rabbits, purification/characterization 5937.
- precursors, bone marrow cells, rabbits, poly (A)/poly (U)-containing/double-stranded sequence, detection 5979.
- precursors, cleavage-exonuclease/endonuclease, ribonucleoproteins, liver, rats 3294.
- precursors, double-stranded RNA sequences, characterization, use-DNA cloning 3559.
- precursors, Erlich ascites tumour cells, 5'-terminus structure 2997.
- precursors, Friend cells, frequency distribution 228.
- precursors, immunoglobulins heavy chains, plasmacytoma cells, nucleotide sequence specificity 6810.
- precursors, ribonucleoproteins particles, characterization 3531.
- precursors, 5'-terminus fragments, Ehrlich ascites carcinoma cells, complexity/hybridization properties 6807.
- preprolactin, activity, pituitary cell culture, sheep, 17 β -oestradiol, effects on 5863.
- preprolactin, levels, pituitary, rats, oestrogen, effects on 6011.
- procollagen, calvaria, embryos, chickens, identification 6803.
- procollagen, cattle, size/secondary structure 5982.
- procollagen, chickens calvaria, translation-reticulocyte lysate 1535.
- procollagen, embryos, chickens, translation-wheat germ cell-free system, proline products, hydroxylation 2008.
- procollagen, embryos, chickens, translation-wheat germ/reticulocyte lysate cell-free system 6919.
- procollagen, normal/transformed fibroblasts, embryos, chickens, characterization 5977.
- production, immunoglobulins heavy chains genes, excision/splicing, mechanisms 6343.
- proinsulin, stimulation-glucose, pancreas, rats 2400.
- prokaryotes, caps-dependent translation, wheat germ cell-free system 6057, 6058.
- prolactin, accumulation, pituitary, rats, stimulation-oestradiol 3592.
- prolactin, GH cells, regulation, use-complementary DNA probes 6925.
- prolactin, reticulocyte lysate, pituitary, rats, reverse transcription 7203.
- prolactin precursors, purification, pituitary (anterior), cattle 3529.
- properties, satellite tobacco necrosis virus RNA, capping, effects on 4853.
- protamine, poly (A)-containing, translation-*Xenopus* oocytes 4246.
- protamine, *Salmo gairdnerii*, cloning-complementary DNA 7279.
- protamine, *Salmo gairdnerii*, coding/non-coding regions, sequence divergence 7084.
- protamine, *Salmo gairdnerii* testis, isolation/characterization 6916.
- protamine, translation-wheat germ cell-free system, 5'-terminus caps removal, effects on 3635.
- protein biosynthesis regulation factors selectivity, *Xenopus laevis* oocytes 5435.
- protein N, vesicular stomatitis virus, 3'-terminus nucleotide sequence 1944.
- protein S100, accumulation-glial cells, rats, inhibition-colicine 914.
- proteinase, *Bacillus megaterium*, half-life 3043.
- proteinase, biosynthesis, *Bacillus amyloliquefaciens* regulation 1966.
- proteins, accumulation during myoblasts differentiation, skeletal muscle, quails 6029.
- purification, use-R-looping 5368.
- rabbits reticulocytes cell-free system, nuclease, effects on 3647.
- Rana pipiens* embryos, diversity control during development 6801.
- Rauscher leukaemia virus, translation-cell-free system, products identification 4240.
- regions, phage T4 rIIB gene, nucleotide sequence 3534.
- renin precursors, translation-wheat germ/reticulocyte lysate cell-free system 6070.
- reovirus, caps methylation, L929 cells, interferon, effects on 5957.
- reovirus, interaction-ribosomal subunit 40S, edeine, effects on 818.
- reovirus, ribosomal subunit 40S migration during initiation inhibition, wheat germ/reticulocyte lysate 5903.
- reovirus, 5'-terminus, nucleotide sequence 1476.
- Rhizopus stolonifer* sporangiospores, changes during germination 5858.
- Rhynchosciara americana* salivary gland, translation 3642.
- ribosomes, wheat germ/liver rats, translation, ricin, effects on 5905.
- ribulosebiphosphate carboxylase, *Chlamydomonas reinhardtii*, isolation/properties 4765.
- ribulosebiphosphate carboxylase, expression-*Zea mays* mesophyll cells/bundle sheath cells 2012.
- role-globin peptides size distribution, rabbits 3645.
- role-kidney hypertrophy, mice 3631.
- Rosa*, biosynthesis during growth 4842.
- Saccharomyces cerevisiae*, half-life 4181, 4182.
- Saccharomyces cerevisiae*, poly (A) structure 5973.
- Sendai virus, identification 836.
- sequence, content, poly (A)-containing RNA (heterogeneous nuclear), HeLa cells 3564.
- sequence, murine leukaemia virus-related, complexity/abundance, cell lines, embryos, mice 3514.
- sequence complexity, seminal vesicle, rats, testosterone, effects on 4183.
- sequences, sea urchins embryos, expression-RNA, adults 304.
- sporulation-specific, *Bacillus thuringiensis*, transcription-RNA polymerase 1502.
- stability, *Escherichia coli* temperature-sensitive mutant 5424.
- stability, free/membrane-bound polyribosomes, liver, rats, ethionine, effects on 5357.
- stability, role-interferon superinduction-5,6-dichloro 1- β -D-ribofuranosylbenzimidazole, human fibroblasts 2002.
- storage proteins, occurrence-*Glycine max* seeds 3649.
- structure, effects on phage MS2 coat protein biosynthesis rate 6060.
- structure, eukaryotes, review 6547.
- α -subunit/ β -subunit human choriogonadotropin, identification 315.
- SV40, nucleotide sequence analysis, use-genes comparison-

mRNA, (continued)

- eukaryotes/prokaryotes, review 2884.
SV40, translation-cell-free system 4094.
Taenia crassiceps, translation, cell-free system 311.
templates, nucleotide sequence arrangement 5371.
5' terminal, RNA (2'-O-methyladenosine-N⁶)-methyltransferase capping specificity, HeLa cells 296.
5'-terminus, tobacco mosaic virus/turnip yellow mosaic virus, binding wheat germ ribosomes 6761.
5'-terminus cap structures, interaction-bases 242.
5'-terminus caps, eukaryotes, function, review 4007.
5'-terminus guanosine (7-ethyl) caps-containing, reovirus, biosynthesis/translation 6906.
5' terminus guanosine (7-methyl)-lacking, vesicular stomatitis virus, translation, stimulation-initiation factors, reticulocytes, rabbits 4133.
thymosin $\alpha 1$, calf thymus, translation-wheat germ cell-free system 4249.
thyroglobulin, content, thyroid cells, pigs, thyrotropin, effects on 6833.
thyroid-stimulating hormone α subunit, translation-cell-free system 1537.
thyrotropin α -subunit, translation-frogs oocytes/cell-free system 3049.
transcription unit production, review 5697.
translation, attachment-dependent fibroblasts, suspension, effects on 3050.
translation, cytomegalovirus, infection, embryo cells, mice, salt concentration, effects on 784.
translation, inhibition-caps analogues, reticulocyte lysate 2948.
translation, pituitary, sheep, oestrogen, effects on 5862.
translation, *Saccharomyces cerevisiae* cell-free system 5340.
translation, viruses, inhibition-interferon 2292.
translation, wheat germ cell-free system, spermidine/ribosomes factors, effects on 6902.
translation, *Xenopus laevis* oocytes, caps, analogues, effects on 2536.
translation efficiency, *Strongylocentrotus*, s purpuratus, fertilization 3640.
translation inhibitors, interferon-induced, L cells, effects on protein biosynthesis initiation 5917.
translation models, review 4581.
translation-wheat germ cell-free system, rRNA 18S, reticulocytes, mice, effects on 6902.
Triticum aestivum embryos, characterization 257.
Triticum aestivum embryos, translation activity during germination 4858.
tryptophan operon, *Escherichia coli*, degradation-phage λ infection 1999.
tryptophan oxygenase/tyrosine aminotransferase, activity, Morris hepatoma/HTC cells 3600.
tubulin, *Chlamydomonas reinhardtii*, amiprophos methyl, effects on 2535.
tubulin, *Strongylocentrotus purpuratus*, translation, deciliation, effects on 312.
 α -tubulin/ β -tubulin, brain, rats, translation, cell-free system 2009.
 α -tubulin/ β -tubulin, isolation-brain, embryos, chickens, characterization-translation products 1463.
turnip yellow mosaic virus coat protein, nucleotide sequence 1482.
turnover, hepatoma/host liver, rats 281.
tyrosine aminotransferase, hepatoma cells, translation-wheat germ cell-free system 2544.
tyrosine aminotransferase, levels, liver, rats, hydrocortisone, effects on 275.
UMP synthesis catalytic proteins, accumulation, mutants, hamsters cells 3038.
uteroglobin, accumulation, uterus, rabbits, oestrogens, effects on 6008.
utilization, *Helianthus tuberosus* tubers, age, effects on 2546.
vaccinia virus, isolation, methodology, use-gene mapping 6769.
vaccinia virus, methylated caps structures, chromatography (thin layer) 866.
vaccinia virus, methylation, interferon treated chickens cells 3548.
vaccinia virus, translation, isatin- β -thiosemicarbazone, effects on 6703.
variant specific surface antigen, *Trypanosoma brucei*, purification/characterization 235.
vesicular stomatitis virus, decay during CHO cells infection 4781.
vesicular stomatitis virus/reovirus, translation, role-guanosine (7-methyl) caps 3638.
viruses/plants, translation, caps analogues, effects on 3636.
visna virus, characterization 5964.
vitellogenin, accumulation, induction-17 β -oestradiol, *Xenopus* liver, in vitro 3587.
vitellogenin, liver, chickens, precursors identification 2469.
vitellogenin, liver, chickens, translation-wheat germ/reticulocyte lysate cell-free system, competition-caps analogues 5434.
vitellogenin, *Xenopus laevis*, complementary cloned DNA, characterization 4361.
vitellogenin, *Xenopus laevis*, translation during primary/secondary induction 1533.
vitellogenin/albumin, liver, chickens/ducks, purification 843.
wheat germ, dried/during germination, translation-cell-free system, products analysis, comparison 6931.
Zea mays endosperm, analysis, use-electrophoresis gels elution 6767.
Zea mays endosperm, translation-cell-free system, products identification 6079.
zein, occurrence-*Zea mays* endosperm 4761.
mRNA 9S,
globin, chickens, interaction-eukaryotes rRNA 4157.
thyrotropin, α -subunit/ β -subunit, pituitary tumours, mice, separation/identification 6928.
mRNA 14S,
coded polypeptides, lens, rats, characterization 937.
mRNA 15S,
globin, interaction proteins, ribonucleoprotein (messenger), polyribosomes, reticulocytes, ducks 7415.
globin, precursors, blood cells, chickens, introns detection 6806.
mRNA 16S,
adenosine (N⁶-methyl) containing, SV40, identification/mapping 6788.
leaders, SV40, nucleotide sequence determination, methodology 3547.
structure, SV40 leaders segments mutants 2992.
SV40, association-polyribosomes 193.
SV40, 5'-terminus leaders sequences, characterization, infected cells 248.
SV40, 5'-terminus sequence heterogeneity 6789.
mRNA 19S,
adenosine (N⁶-methyl) containing, SV40, identification/mapping 6788.
structure, SV40 leaders segments mutants 2992.
SV40, association-polyribosomes 193.
SV40, 5'-terminus sequence heterogeneity 6789.

mRNA 24S,

mammary tumour virus, translation, reticulocyte lysate, rabbits, identification-products 4852.

mRNA 35S,

mammary tumour virus, translation, reticulocyte lysate, rabbits, identification-products 4852.

mRNA-binding protein,

structure, relationship-polynucleotide adenyltransferase 7455.

mRNA (guanine-7)-methyltransferase,

Newcastle disease virus/vaccinia virus, inhibition-sinefungin 2218.

mRNA (nucleoside-2')-methyltransferase,

vaccinia virus, characterization/substrate specificity 1989.
vaccinia virus, inhibition-sinefungin 2218.
vaccinia virus, purification/properties 1988.

rRNA,

accumulation, *Helianthus tuberosus*, auxins, effects on 4823.
antibodies, systemic lupus erythematosus, specificity 7404.
assays, methodology 3512.

binding-*Escherichia coli* ribosomal proteins, effects on c.d. 807.

biosynthesis, *Bombyx mori* eggs, relationship-nucleoli size, diapause termination 1521.

biosynthesis, *Chlamydomonas reinhardtii*, light, effects on 1518.

biosynthesis, *Chlorella ellipsoidea* chloroplasts/cytoplasm, during cell cycle 6866.

biosynthesis, *Crithidia oncopelti* / *Crithidia fasciculata* kinetoplasts 6858.

biosynthesis, *Cyanophora paradoxa* / *Cyanocysta korschikoffiana*, rifampicin/chloramphenicol/cycloheximide, effects on 2511.

biosynthesis, *Dictyostelium discoideum*, disaggregation-induced repression 6026.

biosynthesis, *Dictyostelium discoideum*, uridine (5-bromodeoxy), effects on 4208.

biosynthesis, *Escherichia coli* ribosomes-free extracts, guanosine tetraphosphate, effects on 2510.

biosynthesis, *Escherichia coli* temperature-sensitive mutant, guanine tetraphosphate, effects on 3615.

biosynthesis, inhibition-actinomycin D, relationship-silver staining 5410.

biosynthesis, liver cells, rats, RNA polymerase I activity 3001.

biosynthesis, patterns, during cell cycle, *Schizosaccharomyces pombe* 3617.

biosynthesis, *Pisum* chloroplasts, during iron deficiency recovery 5420.

biosynthesis, regulation, *Calliphora erythrocephala* salivary gland 1994.

biosynthesis, regulation, mitochondria, yeasts 6863.

biosynthesis, *Saccharomyces cerevisiae*, amino acids deprivation, effects on 4832.

biosynthesis, *Saccharomyces cerevisiae*, methionine analogues, effects on 3015.

biosynthesis, *Saccharomyces cerevisiae* mutants 1970.

biosynthesis, SV40-transformed human fibroblasts, inhibition-puromycin aminonucleoside 6885.

biosynthesis, *Tetrahymena pyriformis*, precursors incorporation, radiation (γ), effects on 6837.

biosynthesis, *Tetrahymena pyriformis*, regulation 3570.

biosynthesis, *Xenopus laevis* kidney cells, rates, relationship-nucleoli content 268.

biosynthesis, yeasts, mitochondria, regulation 6864.

biosynthesis, *Zea mays* 1975.

Bombyx mori, hybridization-DNA, comparison-*Antheraea*

eucalypti 4791.

Bombyx mori, size 1491.

BSC-1 cells, cytidine (5'-aza), effects on 3401.

content, bone marrow erythroblasts, DiGuglielmo disease/idiopathic ineffective erythropoiesis, man 6041.

content, *Zea mays* mutants 3492.

Crithidia fasciculata ribosomes, characterization 3554.

Cryptocodinium cohnii, characterization 2995.

Cyanophora paradoxa + *Cyanocysta korschikoffiana* symbiosis, characterization 5390.

defective processing, mitochondria, *Neurospora crassa* nuclear mutant 6028.

degradation, during growth cessation, BHK-21/C13 cells 2528.

Dendroceras reticulatum, characterization 1953.

epidermis, mice, accumulation association-regeneration 211.

Escherichia coli, accumulation during relaxation control 6025.

Escherichia coli, precursors cleavage, role-ribonuclease P 2179.

Escherichia coli, stability/maturation kinetics 3614.

Escherichia coli / CHO cells, fractionation, use-electrophoresis 5935.

eukaryotes, interaction-globin mRNA 9S, chickens 4157.

Euscelis plebejus / *Smittia*, characterization 1954.

fluoride/ozone, effects on 5355.

fragments, *Escherichia coli*, effects on leucocytes/platelets formation, rabbits 7403.

free/membrane-bound, changes during starvation, maternal liver, rats 5425.

gene expression, phage λ , deletion analysis 3602.

genes, mapping, DNA, *Saccharomyces cerevisiae* mitochondria 2080.

genes, transcription, kidney cells, mice, ethidium bromide, effects on 6037.

genes, *Xenopus laevis* cells, spacer sequence transcription 6872.

heat denaturation, secondary structure analysis 5942.

high molecular weight, biosynthesis, *Spinacia oleracea* chloroplasts 5998.

high molecular weight, characterization, normal/non-

yellowing mutant, *Festuca pratensis* 2998.

high molecular weight, isolation-*Olisthodiscus luteus* /

Sauromatum guttatum 3516.

high molecular weight, *Streptomyces griseus* spores/hyphae, isolation/characterization 875.

Hordeum vulgare, hydrolysis during *Erysiphe graminis* infection 4861.

interaction-ribosomal proteins, *Escherichia coli* ribosomal subunit 50S 4107.

Labyrinthula, molecular weight 5972.

liver, hamsters, dimethylnitrosamine-treated, methylated products, analysis 4159.

localization-antibiotic resistance, viomycin, *Mycobacterium smegmatis* ribosomes 2961.

low molecular weight, biosynthesis/origin, *Spinacia oleracea* chloroplasts 5999.

maturation, *Cyanidium caldarium* / *Chlorella pyrenoidosa* / *Chlorella vulgaris* 4807.

maturation, liver, rats, thioacetamide, effects on 905.

maturation, *Saccharomyces cerevisiae* mutants 4216.

maturation-defective mutants, *Saccharomyces cerevisiae*, isolation/characterization 6862.

metabolism, *Dictyostelium discoideum*, during development 5887.

metabolism, *Escherichia coli* ribonuclease/transcription termination factor rho defective mutant 3023.

rRNA,(continued)

- metabolism, interferon, effects on, relationship-chromosome
21 ploidy, human fibroblasts 4223.
- methylation, use-oligonucleotides derivatives 4061.
- Nicotiana tabacum* callus, distribution-synthetic cytokinins
105.
- Ochromonas danica*, characterization 4790.
- operons, *Escherichia coli*, spacer regions, nucleotide
sequence 6203.
- operons, *Escherichia coli*, transcription initiation,
characterization 5991.
- operons, promoters, *Escherichia coli*, analysis 5509.
- operons, regions, *Escherichia coli*, tRNA Ile genes
nucleotide sequence 3114.
- phage MS2/phage Q β , molecular weight, electron
microscopy 1948.
- Plasmodium berghei*, isolation/characterization 2413.
- precursor biosynthesis, Novikoff hepatoma nucleoli,
Sarkosyl, effects on 2521.
- precursors, *Petroselinum crispum* /*Daucus carota* /*Acer
pseudoplatanus*, molecular weight determination 5987.
- precursors, processing, *Acer pseudoplatanus* cells, 2,4-
dichlorophenoxyacetic acid, effects on 3593.
- precursors, *Saccharomyces cerevisiae*, characterization/
identification-rRNA gene primary transcripts 3555.
- processing, liver, rats, protein biosynthesis inhibition-
cycloheximide, effects on 6879.
- role-bacteria cell injury, review 5256.
- Rosa*, biosynthesis during growth 4842.
- rrnB cistron, transcripts analysis/promoters origin, plasmids
ColE1 5487.
- rrnE operon/rrnA operon, *Escherichia coli*, promoters
regions, nucleotide sequence 6206.
- rrnE operon/rrnA operon, *Escherichia coli*, identification-
transcription initiation sites 6208.
- Saccharomyces cerevisiae*, identification-associated
ribosomal proteins 3484.
- sequence relationships, bacteria, ecology aspects 4786.
- silent gene, human x mice hybrids cells, reactivation-SV40
6887.
- SV40 infected BSC-1 cells, cytidine (5-aza), effects on 5293.
- temperature-sensitive mutant, *mutants* proteins 3612.
- terbium fluorescence, reaction-guanines 847.
- 3'-terminus, *Escherichia coli* ribosomes, fluorescence studies
2951.
- transport, *Acetabularia mediterranea* cytoplasm 926.
- Tripteneustes gratilla* embryos, biosynthesis/processing 5994.
- Triticum aestivum*, base composition, light, effects on 1497.
- uracil (5-fluoro) incorporation, thymidine, effects on 5766.
- Xenopus laevis*, methylated sequence, mapping 3556.
- yeasts, detection, phages hybrids infection-*Escherichia coli*
3010.
- rRNA 5S,**
- Bacillus stearothermophilus* /*Thermus aquaticus* /
Escherichia coli, secondary structure, temperature effects
2464.
- Candida utilis*, structure, detection-guanine residues 1950.
- Escherichia coli*, crosslinking-1,4-phenyl-diglyoxal 1466.
- Escherichia coli*, interaction ribosomal protein L5/ribosomal
protein L18/ribosomal protein L25 2421.
- Escherichia coli*, ribonuclease-resistant regions, relationship-
ribosomal proteins L18/ribosomal protein L25 RNA binding
sites 5969.
- Escherichia coli*, 5'-terminus sequence, complementary
polynucleotides, synthesis 5795.
- Euglena gracilis* chloroplasts, isolation/rRNA gene mapping
5517.
- formation, *Drosophila*, kinetics 1971.
- genes, *Drosophila melanogaster*, cloning, mapping/
nucleotide sequence determination 4989.
- genes, evolution, vertebrates 3125.
- genes, locus, organization, *Drosophila melanogaster* 1619.
- genes, organization, *Vicia faba* 3139.
- genes, selective in vitro transcription 6817.
- genes, tandem repeats, lethal mutation, corrections
mechanisms, *Xenopus* 3126.
- genes, *Xenopus*, transcription-*Xenopus laevis* RNA
polymerase III 3901.
- genes, *Xenopus laevis* chromatin, structure 7434.
- genes, *Xenopus laevis* deletion mutant, analysis 4466.
- Halobacterium cutirubrum*, complex-proteins, structure
analysis 5244.
- Halobacterium cutirubrum*, complex-proteins
characterization, RNA-binding protein 6528.
- Hordeum* embryos/sarcoma, mice, hybridization 1496.
- interaction-ribosomal proteins, ribosomes, liver, rats 3486.
- liver, rats, polyadenylation/complementary DNA synthesis
7094.
- Malobacterium cutirubrum* nucleotide sequence 249.
- Mycobacterium smegmatis*, nucleotide sequence 4179.
- nucleotide sequence 4003.
- reticulocytes, inhibition-translation, cell-free system 2947.
- Saccharomyces cerevisiae*, structure, nuclease S1 use-probes
4789.
- Salmo gairdneri*, nucleotide sequence, chromatography
(high performance liquid) 878.
- rRNA 5.8S,**
- eukaryotes, structure, spectroscopy (Raman) 876.
- genes, localization-chromosomes, human/mice 5672.
- interaction-ribosomal proteins, ribosomes, liver, rats 3486.
- nucleotide sequence 4003.
- rRNA gene, *Neurospora crassa*, nucleotide sequence 6216.
- rRNA gene, *Bombyx mori*, mapping 2660.
- Saccharomyces cerevisiae*, interaction-ribosomes 810.
- yeasts, hairpin helix, thermodynamics 877.
- rRNA 13S,**
- mitochondria, hamsters, occurrence-cytidine (N⁴-methyl)
1492.
- rRNA 16S,**
- binding-ribosomal protein S4, effects on conformation 4109.
- cleavage-cloacin, effects on *Escherichia coli* protein
biosynthesis initiation 1450.
- cleavage-cloacin, effects on *Escherichia coli* protein
biosynthesis elongation 1451.
- cross-linking-4-aminomethyl-4,5',8-trimethylpsoralen 5810.
- cross-linking-ribosomal proteins, *Escherichia coli*, initiation
factor 3, effects on 2966.
- cross-linking-ribosomal subunit 30S ribosomal proteins 6713.
- Escherichia coli*, molecular weight, electron microscopy
1948.
- Escherichia coli*, conformation/stability/hydrodynamics
2466.
- Escherichia coli*, nucleotide sequence 2465.
- Escherichia coli*, packing 4178.
- Escherichia coli*, 3'-terminus fragments, oligonucleotides,
synthesis 730.
- Escherichia coli*, transcription-avian myeloblastosis virus
DNA polymerase (RNA-dependent), kinetics 7379.
- Escherichia coli*, 4,5',8-trimethylpsoralen + light-treated,
properties 5388.
- Escherichia coli* ribosomal protein S8/ribosomal protein S15
binding sites, structure 5386.
- Escherichia coli* ribosomes, photochemical cross-linking-
tRNA Lys/tRNA Glu 6752.

- fragments, *Escherichia coli*, c.d./unfolding, binding-ribosomal protein S4, effects on 5387.
- fragments, ribosomal protein S8/ribosomal protein S15 binding sites-containing, *Escherichia coli*, isolation/characterization 6732.
- genes, *Escherichia coli*, nucleotide sequences 392.
- genes, localization-*Escherichia coli* chromosomes 5673.
- interaction-*Escherichia coli* ribosomal subunit 30S ribosomal proteins, conformation, effects on 3493.
- methylation defects, *Escherichia coli* polyamines dependent mutants 5892.
- processing, *Escherichia coli* endonuclease 490.
- radiation (u.v.) induced cross-linking-ribosomal protein S7, *Escherichia coli* ribosomal subunit 30S, sites, identification 3477.
- ribosomal subunit 30S, *Escherichia coli*, 3'-terminus localization 6718.
- rRNA gene, *Escherichia coli*, nucleotide sequence 1027.
- 3'-terminus, coding regions, *Zea mays*, nucleotide sequence homology-*Escherichia coli* 7105.
- 3'-terminus, nucleotide sequence, relationship-coat protein mRNA 1933.
- 3'-terminus oligonucleotides, *Escherichia coli*, biosynthesis 732.
- rRNA 17S,**
Acer pseudoplatanus, bases methylation during cells growth 6016.
- hamsters, cells, mitochondria, methylated residues, characterization 252.
- rRNA 18S,**
binding-toluidine blue 1465.
- chickens liver, preparation, effects on conformation 1484.
- genes, activity, relationship-embryonic development, parthenogenone, mice 1699.
- genes, cloned, human, analysis 1629.
- Hordeum* embryos/sarcoma, mice, hybridization 1496.
- reticulocytes, mice, effects on mRNA translation-wheat germ cell-free system 6902.
- rRNA gene, *Bombyx mori*, mapping 2660.
- Vicia*, homology-*Allium cepa* 4803.
- rRNA 19S,**
genes, containing chromatin, *Physarum polycephalum*, structure 3762.
- rRNA 21S,**
regions, *Saccharomyces* mitochondria DNA, petite mutant, mapping/organization 4351.
- cistrons, *Saccharomyces* mitochondria DNA, mapping/localization 4350.
- regions, *Saccharomyces* mitochondria DNA, genetic markers, location 4352.
- rRNA 23S,**
binding-*Escherichia coli* ribosomal subunit 50S ribosomal proteins 6717.
- Escherichia coli*, 5'-terminus sequence, complementary polynucleotides, synthesis 5795.
- Escherichia coli*, preparation, effects on conformation 1484.
- Escherichia coli*, ribosomal protein L24 binding sites, RNA-RNA interaction 799, 2412.
- genes, localization-*Escherichia coli* chromosomes 5673.
- genes, mitochondria, *Saccharomyces cerevisiae*, insertion sequences, characterization 5514.
- methylation, *Streptomyces azureus*, antibiotic resistance, thiostrepton 2994.
- Streptomyces coelicolor*, methylation-*Streptomyces azureus* methylase, role-thiostrepton antibiotic resistance 5897.
- streptomycetes, methylated adenine, content 4787.
- rRNA 25S,**
genes, *Tetrahymena pigmentosa*, intervening sequence 4347.
- occurrence-*Escherichia coli* rRNA processing defective mutants 4214.
- Vicia*, homology-*Allium cepa* 4803.
- rRNA 26S,**
genes, containing chromatin, *Physarum polycephalum*, structure 3762.
- rRNA gene, *Physarum polycephalum*, insertion, localization 5510.
- rRNA 28S,**
binding-toluidine blue 1465.
- chickens, liver, preparation, effects on conformation 1484.
- genes, activity, relationship-embryonic development, parthenogenone, mice 1699.
- rRNA gene, *Bombyx mori*, mapping 2660.
- 5'-terminus processing, hepatoma cells, mice 887.
- rRNA 35S,**
precursors, isolation-*Tetrahymena pyriformis*, 5'-terminus identification 1949.
- rRNA 37S,**
precursors, *Saccharomyces carlsbergensis*, characterization 4180.
- rRNA 40S,**
precursors, *Xenopus laevis* oocytes, 5'-terminus mapping 6802.
- rRNA gene,**
Acipenser ruthenus /*Acipenser guldenstadti* ovary, detection 5445.
- activity, nucleolus organizer region, rats x human somatic cells hybrids 6511.
- amplification, *Paracentrotus lividus* 1044.
- arrangement, *Paramecium tetraurelia* 1612.
- assays, human foetal oocytes 4262.
- calf thymus, isolation/organization 4882.
- chickens, purification, use-R-loops hybridization 5452.
- chickens/mice, cloning/restriction endonuclease analysis 5115.
- Chironomus tentans* /*Chironomus* species, organization 4988.
- Chlamydomonas reinhardtii* chloroplasts, mapping 2647.
- Chlamydomonas reinhardtii* chloroplasts, organization 4985.
- chromosomes, *Pongo pygmaeus albei*, location 6508.
- circular, *Acheta domestica* oocytes, length heterogeneity 4360.
- cistrons, *Hordeum vulgare*, analysis 3971.
- clusters, *Lytechinus variegatus*, restriction endonuclease analysis/cloning 4987.
- clusters, organization, *Neurospora crassa*, restriction endonuclease fragments analysis/cloning-phage λ 7072.
- containing, chromosomes, *Physarum polycephalum*, isolation 5674.
- content, chromosomes, hepatoma cell lines, rats 3978.
- content, *Physarum polycephalum* 318.
- content, *Xenopus laevis* nucleoli, during oogenesis 6940.
- content, *Zea mays*, relationship-nucleoli formation rate 3042.
- degradation-deoxyribonuclease I, *Physarum polycephalum* 2186.
- Dictyostelium discoideum*, restriction endonuclease analysis 3760.
- distribution, *Pongo pygmaeus* /*Gorilla gorilla gorilla*, comparison-satellite DNA/rRNA gene distribution, *Pan troglodytes* /*Gorilla gorilla beringei* /man 3055.
- Drosophila melanogaster*, cloned fragments, isolation/characterization 3769.
- Drosophila melanogaster*, cloned fragments, mapping 3770.
- Drosophila melanogaster*, mutagenesis, aflatoxin B₁/

rRNA gene,(continued)

- aflatoxin B₁, 2,3 dichloride, mechanisms 2045.
- Drosophila melanogaster*, transcription/spacer sequence, evolution, comparison 7086.
- Drosophila virilis*, nucleotide sequence homology-
Drosophila melanogaster 4990.
- embryos, chickens, restriction endonuclease cleavage sites 6236.
- Escherichia coli*, cloning-phage λ 3870.
- Escherichia coli*, restriction endonuclease mapping 4974.
- expression, human chromosomes 1505.
- fragments, cloned, mice, characterization 4996.
- human, isolation/sequence organization 5004.
- human, spacer regions, length heterogeneity 3785.
- isolation-human DNA 2028.
- localization-*Xenopus laevis* oocytes nucleoli 6939.
- location, *Triturus vulgaris meridionalis* chromosomes, methodology 3980.
- location-chromosome XII, *Saccharomyces cerevisiae* 6513.
- Lytechinus variegatus*, structure 6225.
- Neurospora crassa*, cloning/characterization 4980.
- organization, DNA, *Tetrahymena pyriformis* mitochondria 2651.
- organization, *Dytiscus marginalis* oocytes 3318.
- organization, *Euglena gracilis* chloroplasts 7079.
- organization, *Physarum polycephalum* 4979.
- Physarum polycephalum*, base composition 1040.
- Physarum polycephalum*, satellite DNA, characterization 6214.
- Physarum polycephalum*, sequence arrangement 4349.
- polyploidization, ovary, *Drosophila melanogaster* mutants 4872.
- regions, *Lytechinus variegatus*, mapping 7083.
- regions, mapping-*Euglena gracilis* chloroplasts DNA 1616.
- repeat unit, *Saccharomyces cerevisiae*, cloning-phage λ vectors 1139.
- repeated unit, size, electron microscopy 6240.
- tRNA genes, regions, *Neurospora crassa* mitochondria DNA, restriction endonuclease mapping 4981.
- rRNA 16S, *Escherichia coli*, nucleotide sequence 1027.
- rRNA 18S/rRNA 5-8S/rRNA 28S, *Bombyx mori*, mapping 2660.
- rRNA 26S, *Physarum polycephalum*, insertion, localization 5510.
- rRNA 5.8S, *Neurospora crassa*, nucleotide sequence 6216.
- rRNA 5S, *Euglena gracilis* chloroplasts, mapping 5517.
- Saccharomyces carlsbergensis*, organization 1042.
- Saccharomyces cerevisiae*, localization-chromosome XII 3325.
- Saccharomyces cerevisiae*, divergent transcription 1138.
- Saccharomyces cerevisiae*, mapping, electron microscopy, methodology 1043.
- Saccharomyces cerevisiae*, sequence arrangement 1031.
- sequence, *Drosophila virilis*, cytosine (methyl) detection 6229.
- sequence/position, DNA, *Tetrahymena pyriformis* mitochondria 2652.
- spacer, review 4578.
- spacer, *Saccharomyces cerevisiae*, nucleotide sequence 1614.
- Stonychia mytilus*, characterization 2650.
- structure, *Xenopus laevis* oocytes nucleosomes 2263.
- transcription, *Physarum polycephalum*, role-phosphorylated nonhistone proteins 7427.
- transcription, *Tetrahymena pyriformis*, lucanthone, effects on 5411.
- transcription, *Xenopus laevis* oocytes 2489.
- transcription activity, effects on chromatin, fractionation-sonication 2253.
- transcription sites localization, *Coturnix coturnix japonica* oocytes nucleoli 6035.
- transcription suppression, mice x human hybrids cells 4839.
- transcription unit, ultrastructure, *Xenopus laevis*, uridine (5-fluoro), effects on 4044.
- Xenopus laevis*, spacer DNA, sequence organization 6232.
- Zea mays*, localization-nucleolus organizer region 5669.
- tRNA,**
- absorbance, analysis 3446.
- accumulation, *Escherichia coli* temperature-sensitive mutant, tRNA (aminocyl) hydrolase 763.
- adenosine (N⁶(Δ^2 -isopentenyl)) containing, *Lactobacillus acidophilus*, half-life 3448.
- adenosine (isopentenyl) deficient, *Saccharomyces cerevisiae* antisuppressor mutant 1395.
- aminoacylation, *Drosophila melanogaster*, age, effects on 5839, 6682.
- aminoacylation, fidelity 6680.
- aminoacylation, liver, rats, ethionine, effects on, detection-*Xenopus* oocytes 5330.
- aminoacylation, mechanisms 1406.
- aminoacylation, models 184.
- aminoacylation, muscles, rabbits, fasting, effects on 6683.
- aminoacylation, protein biosynthesis cell-free system, brain, mice, γ -aminobutyric acid, effects on 5328.
- aminoacylation-tRNA (aminoacyl) synthetase, review 1316.
- Astragalus bisulcatus*, isolation/characterization 5323.
- binding-dibenzo(a,e)fluoranthene, microsomes, liver 1564.
- binding-*Escherichia coli* DNA polymerase (RNA-dependent) 1207.
- binding-*Escherichia coli* ribosomal subunit 50S, role-ribosomal proteins 1172.
- binding-ribosomal subunit 40S, promotion-proteins, liver, rats 4128.
- binding-tRNA (peptidyl) sites, ribosomes, *Escherichia coli*, codons-anticodons interaction 5909.
- binding-toluidine blue 1465.
- biosynthesis, nuclei, ATP arabinoside/dATP, effects on 6881.
- biosynthesis, regulation, review 1325.
- biosynthesis, review 1322.
- biosynthesis, sea, development during urchins embryos 6869.
- biosynthesis/aminoacylation, *Bombyx mori* silk gland, starvation, effects on 5825.
- Bombyx mori* silk gland, quantitation, electrophoresis 5823.
- book 3997, 5247.
- chloroplasts/mitochondria, review 1307.
- complex-tRNA (aminoacyl) synthetase, liver, rats, characterization 5842.
- conformation, thermal unfolding, effects on 753.
- cytoplasm polyribosomes, coding-DNA, *Euglena gracilis* chloroplasts 2167.
- Dahlia variabilis*, cytokinins activity 6598.
- detection, tumours, use-*Escherichia coli* guanine insertion enzyme 179.
- Drosophila*, purification/nucleosides composition 4677.
- effects on tRNA (valyl) synthetase, yeasts 6699.
- Escherichia coli*, bases modification, uracil (5-fluoro), effects on 6661.
- Escherichia coli*, fractionation, chromatography (column), use-hydroxyapatite 3441.
- Escherichia coli*, guanosine (8-hydro-7-methyl)-containing, properties 1402.
- Escherichia coli*, isolation, methodology 1872.
- Escherichia coli*, methylation-tRNA (adenine-1-)-methyltransferase, brain, rats 767.
- Escherichia coli*, preparation/purification 4676.

tRNA.(continued)

- Escherichia coli*, protein biosynthesis activity, uridine (5-fluoro) substitution, effects on 762.
- Escherichia coli*, protein biosynthesis initiator, formylation-methionine, lactose operon expression polarity 1880.
- Escherichia coli*, quantitation-guanosine (7-methyl) 4681.
- Escherichia coli*, structure modifications, infected guinea-pigs/rabbits 1875.
- Escherichia coli*, 3'-terminus fragments, binding-ribosomes peptidyltransferase 2962.
- Escherichia coli*, uridine (4-thio) enzymes, activity, genes, mapping 1271.
- Escherichia coli* mutants, nucleoside Q precursors, occurrence-guanosine (7-(cyano)-7-deaza) 1348.
- Escherichia coli* temperature-sensitive mutant, biosynthesis regulation 6688.
- Escherichia coli*/yeasts, methylation-tRNA methyltransferases/dimethylsulphate 748.
- Escherichia coli*/yeasts/Novikoff hepatoma/liver, rats, methylation-dimethylsulphate, specificity 5824.
- fragments, double-stranded tetranucleotide, n.m.r. 1382.
- fragments, stimulation-tRNA nucleotidyltransferase, liver, rabbits 4700.
- function, liver, rats, age, effects on 6678.
- G-U base pairs, stacking interactions 1390.
- gene expression, phage λ , deletion analysis 3602.
- genes, *Caenorhabditis elegans*, cloning/expression-*Xenopus laevis* oocytes 3218.
- genes, *Escherichia coli*, transcription organization, determination, use-rifampicin 4340.
- genes, mapping, DNA, *Saccharomyces cerevisiae* mitochondria 2080.
- genes, nucleosomes DNA, embryos, chickens, purification/cloning 7282.
- genes, phage BF23, mapping 1592.
- genes, phage T4, isolation, tRNA biosynthesis in vitro 4264.
- genes, *Saccharomyces cerevisiae* mitochondria DNA, mapping 4982.
- genes, *Schizosaccharomyces pombe* /*Drosophila melanogaster*, transcription-*Xenopus laevis* germinal vesicle extracts 749.
- genes, transducing phage ϕ 80, mapping 4312.
- genetic code origin 750.
- Gossypium* seeds, isolation 4075.
- guanine-insertion enzyme, rabbits erythrocytes, purification/characterization 2944.
- hosts, packaging-murine leukaemia virus 2456.
- immobilized, use-tRNA methyltransferases mechanisms 3457.
- interaction-ribosomal proteins, A-site/P-site, *Escherichia coli* ribosomes 215.
- interaction-ribosomal proteins, ribosomes, liver, rats 3486.
- interaction-tRNA (aminoacyl) synthetase, mechanisms, review 2299.
- interaction-yeasts tRNA (valyl) synthetase 5855.
- intercalation-ethidium bromide 2373.
- isoaccepting, concentration, relationship-mRNA codons frequency, eukaryotes 5695.
- isoaccepting, role-amino acids transport, *Escherichia coli* 6675.
- isoaccepting species, *Escherichia coli*, fractionation 6658.
- isoacceptors patterns, *Drosophila melanogaster*, age, effects on 5840.
- isolation, use-hydroxyapatite chromatography (column) 3651.
- isolation-yeasts, methodology 3442.
- levels, Friend erythroleukaemia cells, response-amino acids deprivation 5837.
- liver, cattle, primary structure 2382.
- liver, mice, aminoacylation, role-cytidine (5-methyl) 3456.
- liver, mice, cytidine (5-fluoro), effects on 5292.
- liver, rabbits, modified nucleosides structure 5754.
- liver, rats, methionine acceptance, polycyclic aromatic hydrocarbons, effects on 6691.
- localization-*Escherichia coli* ribosomal subunit 30S, electron microscopy 4105.
- mapping, use-nuclease S1 170.
- metabolism, *Drosophila melanogaster* lethal mutant 3444.
- methylation, brain, rats, methionine sulphoximide, effects on 4689.
- methylation, cell culture, interferon, effects on 5320.
- methylation, Rous sarcoma virus-transformed embryo fibroblasts, chickens, inhibition-adenosine (5-deoxy-5'-isobutyl) 2376.
- modification-deficient mutant, *Escherichia coli*, characterization, use-ATP (N^6 -(Δ^2 -isopentenyl)) antibodies 7401.
- modification-fluorescamine, *Escherichia coli*, protein biosynthesis activity 2430.
- modified nucleosides, structure/function, review 1315.
- mutants, nucleotide sequence 4002.
- Neurospora crassa* mitochondria, base composition 755.
- nucleoside Q-containing, expression, tissue culture, relationship-cells density/type 1403.
- nucleoside Q-containing, production-tissue culture, role-factor Q 2934.
- nucleoside Q precursors bases insertion, *Escherichia coli* guanine-insertion enzyme 5171.
- nucleotide sequence 4001.
- nucleotide sequence, comparison-Walker carcinosarcoma/liver, rats 3454.
- oligonucleotides fragments, chromatography (thin-layer) 751.
- operons, products, transcription/isolation, phage T4 1461.
- periodate-oxidized, inactivation-*Escherichia coli* tRNA (arginylyl) synthetase 5846.
- phage T2/phage T4/phage T6/phage RB69-infected *Escherichia coli*, characterization 1874.
- phosphatidylserine, *Bacillus licheniformis*, isolation 5822.
- plants, structure 5831.
- precursors, *Bombyx mori* silk gland, cleavage-endonuclease 2769.
- precursors, *Escherichia coli* temperature-sensitive mutant, characterization/processing in vitro 754.
- precursors, methylation, brain, rats 2375.
- precursors, phage T4, conformation, use-nuclease S1 probes 2377.
- precursors, synthesis, use-tRNA nucleotidyltransferase 140.
- precursors, use-3'-terminus-specific ribonuclease purification 494.
- promoters complex formation-RNA polymerase, requirements 7331.
- radiation (u.v.)-induced interaction-*Escherichia coli* ribosomes, cross-linked ribosomal proteins identification 6751.
- Rana catesbeiana* liver, characterization 1398.
- recognition, yeasts tRNA (phenylalanyl) synthetase/tRNA (valyl) synthetase 776.
- recognition sites, *Escherichia coli* tRNA (phenylalanyl) synthetase, modification-tRNA (phenylalanyl) N-chlorambucil derivatives 1410.
- regulation-*Escherichia coli* isoleucine-valine operon 2383.
- rRNA gene regions, *Neurospora crassa* mitochondria DNA, restriction endonuclease mapping 4981.

tRNA,(continued)

- Spinacia oleracea* leaves/chloroplasts, isolation-cytokinins 51.
 structure 1392.
 structure, models 5321.
 structure, relationship-function, review 2279.
 structure/base-pairing, n.m.r. 1391.
 structure determination, methodology 752.
 structure/function, review 1326.
 temperature stability, role-thymidine (ribo), n.m.r. 4680.
 termini, role-protein biosynthesis, review 4601.
 3'-terminus, conformation mobility 4076.
 3'-terminus sequence, role-guanosine pentaphosphate biosynthesis regulation, *Escherichia coli* 1401.
 3'-terminus/5'-terminus, interaction-phage T4 RNA ligase 1234.
 tobacco mosaic virus, methylation-*Escherichia coli* tRNA (uracil-5)-methyltransferase 2384.
Torulopsis utilis, Y base, properties 2936.
 transport, axons, chickens 765.
 transport, *Euglena* chloroplasts 6677.
Triticum aestivum, distribution-cytokinins activity 5326.
 turnover, SV3T3 cells/TC7 cells 177.
 wheat germ, aminoacylation/interaction-elongation factor Tu, specificity 2941.
 yeasts, conformation, melting curves 2380.
 yeasts, conformations, sodium chloride, effects on 6669.
 yeasts, hydration 4078.
 yeasts, isolation, chromatography 1802.
tRNA (N-Acetyl-phenylalanyl),
Escherichia coli, interaction-ribosomes 820.
tRNA (N-Acetylseryl),
 liver, rats, non occurrence 4678.
tRNA (adenine-1)-methyltransferase,
Bacillus subtilis, methylation-*Escherichia coli* /yeasts/liver-rats tRNA 783.
 brain, rats, in vitro methylation-yeasts tRNA Asp 3458.
 inhibition-S-adenosylhomocysteine analogues 180.
tRNA adenylyltransferase,
Lupinus luteus, characterization 781.
Lupinus luteus, purification 780.
tRNA Ala,
 isoaccepting, *Saccharomyces cerevisiae*, occurrence/variability 4074.
tRNA (alanyl) synthetase,
 activity, muscles, rabbits, insulin, effects on 2389.
Escherichia coli, substrate specificity 182.
tRNA (aminoacyl),
 binding-*Artemia salina* ribosomes, ricin/modeccin, effects on 2963.
 chromatography (reversed-phase), methodology 4072.
 complex formation-elongation factor Tu + GTP, inhibition-pulvomycin 1914.
 complex formation-GTP + elongation factor Tu, assays 4126.
 complex-ribosomal subunits 30S + polynucleotides, dissociation, role-initiation factor 3 3506.
 conformation studies, use-chemical modification 3447.
 isoacceptors, *Hymenoptera*, codons recognition patterns 3455.
 isomers, *Escherichia coli* /yeasts, binding-elongation factor Tu 6753.
 mitochondria, liver, rats, properties/size/origin 3452.
 plasmacytoma, mice, chromatography 5830.
 separation, methodology 693.
 3'-terminus binding sites, *Escherichia coli* elongation factor Tu 5910.
 translocation, *Escherichia coli* ribosomes, inhibition-neomycin/kanamycin/gentamicin 1913.
 uridine (pseudo)-containing, *Salmonella typhimurium* hisT mutant, role-regulation 5836.
 wheat germ, codon recognition 178.
 yeasts, separation, methodology 5821.
tRNA(aminoacyl) hydrolase,
 tRNA accumulation, *Escherichia coli* temperature-sensitive mutant 763.
tRNA (aminoacyl) synthetase,
 activity, *Bombyx mori* silk gland, starvation, effects on 5825.
 activity, CHO cells mutants 181.
 activity, *Lupinus luteus*, proteins interaction, effects on 6687,
 aminoacylation-tRNA, review 1316.
 biosynthesis, regulation, review 1325.
 CHO cells, sedimentation analysis 5845.
 chromatography (affinity), magnesium chloride/ATP, effects on 2387.
 complex, liver, rats, isolation/structure 5843.
 complex-tRNA, liver, rats, characterization 5842.
 evolution 1881.
 inhibition-AMP analogues 2388.
 interaction-tRNA, mechanisms, review 2299.
 liver, rats, activity, carbon tetrachloride, effects on 6686.
 plants, structure 5831.
 stimulation factors, liver, rats, purification/properties 5844.
 temperature-sensitive mutant, CHO cells, proteins degradation 5329.
tRNA Arg,
 content, *Onchorhynchus masou*, spermatogenesis 168.
Escherichia coli, complex-tRNA (arginyl) synthetase, size 6696.
Escherichia coli, crystallization, structure, X-ray diffraction 1394.
 genes-containing phage T5 DNA fragments, isolation 954.
tRNA (arginyl) synthetase,
 activity, *Onchorhynchus masou*, spermatogenesis 168.
 activity, relationship-transformation, tumours, kidney/liver, rats 4082.
 complex-tRNA (leucyl) synthetase/tRNA (methionyl) synthetase/tRNA (phenylalanyl) synthetase, occurrence-wheat germ 5332.
Escherichia coli, complex-tRNA Arg, size 6696.
Escherichia coli, inactivation-periodate-oxidized tRNA 5846.
Escherichia coli, reaction mechanisms, pH, effects on 2390.
Escherichia coli /*Bacillus stearothermophilus*, ATP consumption 5331.
Saccharomyces cerevisiae, reaction mechanisms 769.
tRNA Asp,
 yeasts, in vitro methylation-tRNA (adenine-1)-methyltransferase, brain, rats 3458.
 yeasts, thermodynamics 2379.
tRNA (aspartyl),
 regulation-serum, BHK cells/tumours 169.
tRNA (asparaginy) synthetase,
Bacillus stearothermophilus, purification/characterization 1882.
tRNA Cys,
 genes, *Saccharomyces cerevisiae* mitochondria, nucleotide sequence 7076.
tRNA (cysteinyl) synthetase,
Escherichia coli, reaction mechanisms 5848.
 human placenta, kinetics 5847.
tRNA fMet,
 anticodon loop conformation 6663.
 binding-*Escherichia coli* ribosomal subunit 30S, poly (U) dependence 5908.

- binding-ribosomal subunits 40S, rabbits reticulocyte lysate, inhibition-haemin controlled translation repressors 4129.
- Escherichia coli*, aminoacylation, comparison-tRNA Met 4695.
- Escherichia coli*, binding-ribosomal subunit 30S/protein biosynthesis, stimulation-spermidine 1918.
- Escherichia coli*, crystallization, structure, X-ray diffraction 1394.
- Escherichia coli*, oligonucleotides fragments, joining-phage T4 RNA ligase 1871.
- Escherichia coli*, 5'-terminus guanine-rich fragments, synthesis 3423.
- Escherichia coli*, 5'-terminus tetranucleotides, synthesis 6631.
- fragments, *Escherichia coli*, synthesis 141.
- periodate-treated, inactivation-*Escherichia coli* tRNA (methionyl) synthetase 5852.
- Thermus thermophilus*, nucleotide sequence 171.
- yeasts, bases sequence, oligonucleotides synthesis 6632.
- yeasts, X-ray crystallography 4079.
- tRNA (formylmethionyl), effects on *Escherichia coli* ribosomes binding-phage Q β RNA 5907.
- role-in vitro β -galactosidase biosynthesis 6674.
- tRNA (formylmethionyl) deacylase, HeLa cells, purification/characterization 5841.
- tRNA gene, *Nicotiana tabacum* chloroplasts, cloning 5609.
- Sciara coprophila*, repeated unit, homogeneity 6231.
- tRNA Gln, phage T4, biosynthesis, role-*Escherichia coli* ribonuclease III 5131.
- tRNA (glutaminyl) synthetase, *Escherichia coli* temperature-sensitive mutant, biosynthesis regulation 6688.
- tRNA Glu, photochemical cross-linking-rRNA 16S, *Escherichia coli* ribosomes 6752.
- Schizosaccharomyces pombe*, nucleotide sequence 4683.
- tRNA (glutamyl) synthetase, cytoplasm/mitochondria, brain, cattle, purification/characterization 1883.
- Escherichia coli*, purification/characterization 4084.
- Escherichia coli*, quaternary structure 4083.
- tRNA Gly, *Bacillus subtilis*, uridine (5-carboxymethylaminomethyl) occurrence 696.
- Escherichia coli*, crystallization 1394.
- tRNA (glycyl), tendon, embryos, chickens, role-collagen biosynthesis 764.
- tRNA (guanine-1-methyltransferase, inhibition-S-adenosylhomocysteine analogues 180.
- tRNA (guanine-2-methyltransferase, inhibition-S-adenosylhomocysteine analogues 180.
- tRNA His, genes, *Saccharomyces cerevisiae* mitochondria, nucleotide sequence 7076.
- reticulocytes, rabbits, role-haemoglobins biosynthesis 766.
- tRNA (histidyl) synthetase, binding-ribosomes, reticulocytes, rabbits 6689.
- mutants, CHO cells 1884.
- tRNA Ile, *Escherichia coli*, aminoacylation, role-magnesium/spermine 770.
- formation, liver, rats, stimulation-spermine, mechanisms 2933.
- genes, *Escherichia coli* tRNA operons regions, nucleotide sequence 3114.
- genes, localization-*Spinacia oleracea* chloroplasts DNA 7291.
- phage T4/mutants, nucleotide sequence, comparison 6660.
- tRNA (isoleucyl), *Euglena /Nostoc*, analysis, chromatography (reversed-phase) 1397.
- formation, liver, rats, inhibition-poly (G)/poly (I)/ribosomes, polyamines, effects on 1408.
- tRNA (isoleucyl) synthetase, *Escherichia coli*, inhibition-blue dextran 5850.
- Escherichia coli*, inhibition-pseudomonic acid 1409.
- Escherichia coli*, kinetics 5849.
- Escherichia coli*, role-ilvEDA operon attenuation 1407.
- yeasts, chromatography (salting out) 2391.
- tRNA Leu, *Escherichia coli*, purification/X-ray crystallography 4077.
- Glycine max*, purification/characterization 5324.
- Glycine max*, ribosomes binding/cytokinins content 5325.
- isoaccepting, *Escherichia coli*, codons recognition specificity 5835.
- Saccharomyces cerevisiae*, purification/properties/nucleotide sequence determination 4682.
- suppressors, *Schizosaccharomyces pombe*, identification/nucleotide sequence 5322.
- tRNA (leucyl), protein biosynthesis, misreading 214.
- tRNA (leucyl) synthetase, CHO cells temperature-sensitive mutant, characterization 3459.
- complex-tRNA (arganyl) synthetase/tRNA (methionyl) synthetase/tRNA (phenylalanyl) synthetase, occurrence-wheat germ 5332.
- Escherichia coli*, inactivation-6-amino-7-chloro-5,8-dioxoquinone 3460.
- Escherichia coli*, isolation/binding properties 4692.
- levels, *Escherichia coli* temperature-sensitive mutant 4085.
- mammary gland, cattle, purification/properties 5333.
- mutants, CHO cells 1884.
- temperature-sensitive mutant, CHO cells, revertants, isolation/characterization 4693.
- temperature-sensitive mutant/revertants, CHO cells, growth, amino acids, effects on 4691.
- yeasts, isolation 6690.
- tRNA Lys, codons recognition, during phage MS2 coat protein biosynthesis 5833.
- Drosophila melanogaster*, nucleotide sequence 3451.
- Escherichia coli*, anticodons, binding-oligonucleotides 166.
- Escherichia coli*, codons-induced conformation changes, radiation (u.v.) absorbance 6662.
- Lupinus luteus* seeds, base composition 759.
- photochemical cross-linking-rRNA 16S, *Escherichia coli* ribosomes 6752.
- role-cell division, L cells 6679.
- role-ethionine carcinogenesis, review 4600.
- yeasts, codon recognition 1878.
- tRNA (lysyl) synthetase, *Bacillus stearothermophilus*, purification/characterization 1882.
- Escherichia coli*, substrate specificity 182.
- tRNA Met, *Asterina amurensis* ovary, nucleotide sequence 6672.
- complex-*Escherichia coli* tRNA (methionyl) synthetase, cross-linking surface analysis 3461.
- Drosophila melanogaster*, nucleotide sequence 2937.
- Escherichia coli*, aminoacylation, comparison-tRNA fMet

4695.
Escherichia coli, function, role-cytidine (N⁴-acetyl) 760.
Lupinus cotyledons, aminoacylation during germination 6685.
 oncornavirus (avian), nucleotide sequence/biological properties 2378.
 role-immunoglobulins light chains mRNA translation 2531.
tRNA (methionyl),
 binding, ribosomes, cells, mammals, stimulation-sugars phosphorylation, mechanisms 2964.
tRNA (methionyl) synthetase,
Bacillus stearothermophilus / *Escherichia coli*, reaction mechanisms 5851.
 complex-tRNA (arginyl) synthetase/tRNA (leucyl) synthetase/tRNA (phenylalanyl) synthetase, occurrence-wheat germ 5332.
Escherichia coli, characterization 4086.
Escherichia coli, α -aminophosphonous acids substrate specificity 778.
Escherichia coli, complex-tRNA Met, cross-linking surface analysis 3461.
Escherichia coli, inactivation-cobalt-ATP complex 5334.
Escherichia coli, inactivation-periodate treated tRNA fMet 5852.
Escherichia coli, inhibition-aminoacyl adenylates 771.
Lupinus luteus seeds, purification/properties 2392.
Saccharomyces cerevisiae, mitochondria/cytoplasm, isoenzymes genes 4694.
 sheep liver, purification characterization 772.
 sheep mammary gland, purification/characterization 773.
tRNA methyltransferase,
 activity, liver, rats, induction-hepatocarcinogens 1405.
 activity, WI-38 cells, proliferation stimulation, effects on 4690.
 chromatography (affinity) 768.
Escherichia coli, inhibition-*Apis mellifera* pheromones 5838.
 liver, mice, cytidine (5-aza), effects on 5768.
 liver, mice, cytidine (5-fluoro), effects on 5292.
 mechanisms/function 4687.
 mechanisms, use-immobilized tRNA 3457.
 methylation-*Escherichia coli* / yeasts tRNA 748.
 review 4011.
Rana pipiens liver, activity during development 4688.
Salmonella typhimurium, purification/characterization 2385.
Thermus flavus, activity 5327.
tRNA nucleotidyltransferase,
 liver, rabbits, kinetics 782.
 liver, rabbits, stimulation-tRNA fragments 4700.
 use-tRNA precursors synthesis 140.
 yeasts, inactivation-alkylated cytidine (2-thio)-containing tRNA Phe 6700.
tRNA (peptidyl),
 accumulation, *Escherichia coli*, association-cell death 4685.
 binding sites, ribosomes, *Escherichia coli*, codons anticodons interaction 5909.
 isolation-vesicular stomatitis virus-infected HeLa cells 6657.
 polyribosomes, liver, rats, N-terminus acetylation 4740.
tRNA Phe,
 alkylated cytidine (2-thio)-containing, inactivation-yeasts tRNA nucleotidyltransferase 6700.
Bacillus subtilis, aminoacylation, inhibition-ochratoxin A 2393.
 base Y-lacking, biosynthesis, Vero cells, methionine starvation 175.
 binding-*Escherichia coli* ribosomal subunit 30S 821.
 binding-ribosomal subunit 30S, centrifugation speed during subunits separation, effects on 1447.
 binding-ribosomes, mice, stimulation-thallium acetate 1174.
 codon-specific interaction-ribosomes, liver, rats 516.
 conformation, *Escherichia coli* tRNA (phenylalanyl) synthetase binding, effects on 5853.
Escherichia coli, chemical modification-uridine (3-(3-amino-3-carboxypropyl)), function, effects on 6664.
Escherichia coli, nucleoside X derivatives, synthesis 3374.
Escherichia coli, thermal unfolding 1393.
Hordeum, primary structure, comparison-wheat germ 4684.
 liver, rats, isolation-modified nucleoside Y bases 3453.
 nucleotide sequence, recognition-*Escherichia coli* tRNA (phenylalanyl) synthetase 3462.
Phaseolus vulgaris, chloroplasts/cytoplasm/mitochondria, characterization/aminoacylation 2938.
Saccharomyces cerevisiae mitochondria, nucleotide sequence 2935.
Saccharomyces cerevisiae, Y base, synthesis 674.
Saccharomyces cerevisiae mitochondria, nucleotide sequence 1876.
 N-terminus substituted-2-nitro-4-azidobenzoic acid, photoaffinity labelling-ribosomes peptidyltransferase regions 5883.
Tinca tinca oocytes, absence-Y base 5829.
 tumours-associated, occurrence-mice/rats 5319.
 Vero cells, Y base, lysine incorporation 4679.
 wheat germ, nucleotide sequence, light, effects on 6673.
 yeast, structure 173.
 yeasts, anticodon loop conformation, use-fluorescent probes 3450.
 yeasts, anticodons, binding-oligonucleotides 166.
 yeasts, backbone structure, n.m.r. 6670.
 yeasts, binding-ethidium bromide, characterization 167.
 yeasts, hydrogen bonds 5827.
 yeasts, interaction-1-fluoro-2,4-dinitrobenzene, adenosine specificity 1873.
 yeasts, methylation-*Phaseolus vulgaris* enzymes 4081.
 yeasts, n.m.r. 1877.
 yeasts, nucleotides, conformation, cluster analysis 174.
 yeasts, protons exchange, n.m.r. 6667.
 yeasts, residues helix parameters evaluation 6668.
 yeasts, structure, n.m.r., aminoacylation/Y base removal/codons-anticodons interaction, effects on 6666.
 yeasts, structure, X-ray diffraction 756, 757, 758.
 yeasts, tertiary structure, n.m.r. 6671.
tRNA (phenylalanyl),
 binding, protein biosynthesis, hamsters, muscular dystrophy, effects on 4127.
 binding-*Artemia salina* elongation factor 1, role-guanine nucleotides 3507.
 N-chlorambucil, modification-*Escherichia coli* tRNA (phenylalanyl) synthetase subunits 4087.
 N-chlorambucil derivatives, modification-*Escherichia coli* tRNA (phenylalanyl) synthetase tRNA recognition sites 1410.
 complex-*Escherichia coli* ribosomes, heterogeneity 1173.
 formation-tRNA (phenylalanyl) synthetase, mechanisms, yeasts 1413.
 interaction-*Escherichia coli* tRNA (phenylalanyl) synthetase 5335.
tRNA (phenylalanyl) synthetase,
 activity, *Escherichia coli*, 2,4-pentanedione, effects on 775.
 complex-tRNA (arginyl) synthetase/tRNA (leucyl) synthetase/tRNA (methionyl) synthetase, occurrence-wheat germ 5332.
Escherichia coli, binding-tRNA Phe, effects on conformation 5853.

- Escherichia coli*, catalytic properties, magnesium, effects on 6692.
- Escherichia coli*, inhibition-aminoacyl adenylates 771.
- Escherichia coli*, interaction-phenylalanine + adenylate analogues 1411.
- Escherichia coli*, interaction-tRNA (phenylalanyl) 5335.
- Escherichia coli*, recognition-tRNA Phe nucleotide sequence 3462.
- Escherichia coli*, tRNA recognition sites, modification-tRNA (phenylalanyl) N-chlorambucil derivatives 1410.
- Escherichia coli*, subunits, modification-N-chlorambucil-tRNA (phenylalanyl) 4087.
- Euglena gracilis*, cycloheximide, effects on 1412.
- overproduction, *Escherichia coli* mutants 4088.
- yeast, substrate specificity 182, 183.
- yeasts, chromatography (salting out) 2391.
- yeasts, histidine residues, properties 774.
- yeasts, tRNA (phenylalanyl) formation, mechanisms 1413.
- yeasts, tRNA recognition 776.
- tRNA Pro**,
Moloney leukaemia virus, interaction-genomes RNA, DNA biosynthesis initiation 7116.
- tRNA Ser**,
biosynthesis, liver, roosters, during vitellogenin induction 3445.
- Saccharomyces cerevisiae*, anticodon mutations, relationship-suppressor mutations 176.
- suppressors, *Schizosaccharomyces pombe*, nucleotide sequence 5828.
- suppressors, *Schizosaccharomyces pombe* mutants, characterization 3443.
- tRNA (seryl) synthetase**,
Bacillus stearothermophilus, purification/characterization 1882.
- intermediates, *Lupinus luteus*, characterization 4089.
- levels, *Escherichia coli* temperature-sensitive mutant 4085.
- tRNA Thr**,
genes, mapping, *Saccharomyces cerevisiae* mitochondria DNA 4356.
- tRNA (threonyl) synthetase**,
overproduction, *Escherichia coli* mutants 4088.
- Saccharomyces carlsbergensis*, purification/characterization 1885.
- tRNA Trp**,
effects on pyridoxal-5'-phosphate inhibition-avian myeloblastosis virus DNA polymerase (RNA-dependent) 5834.
- Escherichia coli*, suppressors activity, cross-linking, effects on 6676.
- genes, containing, DNA, *Escherichia coli*, structure 4966.
- isomers, *Escherichia coli* /yeasts, activation 6681.
- liver, cattle, binding-RNA 35S, avian myeloblastosis virus, role-DNA polymerase (RNA-dependent) 7381.
- role-primers, avian sarcoma virus DNA polymerase (RNA-dependent), structure requirement 4080.
- temperature-sensitive, *Escherichia coli*, purification/sequence 6665.
- yeasts, complex-cattle tRNA (tryptophanyl) synthetase, alkylation 2374.
- tRNA (tryptophanyl)**,
replication defective avian sarcoma virus, binding-DNA polymerase (RNA-dependent) 2208.
- tRNA (tryptophanyl) synthetase**,
activity, tryptophan, effects on 5854.
- cattle, complex-yeasts tRNA Trp, alkylation 2374.
- characterization following denaturation 6695.
- Escherichia coli*, chromatography (affinity) 6694.
- pancreas, cattle, binding-tryptophan 6693.
- pancreas, cattle, chemical properties 2394.
- pancreas, cattle, nucleotides binding sites modification 4696.
- reaction mechanisms 3463.
- tRNA Tyr**,
chromatography (affinity) 4073.
- Escherichia coli*, crystallization 1394.
- genes, cloned, yeasts, transcription/processing, *Xenopus laevis* oocytes 4831.
- genes, deletion, *Saccharomyces cerevisiae* 5511.
- genes, *Escherichia coli*, nucleotide sequence 1020.
- genes, structure/organization, *Escherichia coli* chromosomes 4342.
- genes, yeasts, cloning-phase λ 3877.
- genes clusters, *Escherichia coli*, structure organization 4968.
- Neurospora crassa* mitochondria, nucleotide sequence 3449.
- osmium-labelled, yeasts, preparation, methodology 6659.
- precursor, yeast, structure/processing 172, 1396.
- suppressors, genes, DNA, enzymatic synthesis 5817.
- suppressors, genes, promoters regions, synthesis 5816.
- suppressors, genes, promoters regions digodeoxyribonucleotides, synthesis 5792.
- suppressors, genes, termini regions oligodeoxyribonucleotides, synthesis 5793.
- suppressors, synthetic genes, cloned, transcription/biological activity 5990.
- suppressors, synthetic genes, transcription 5989.
- tissues/cell lines, melanoma, relationship-melanin biosynthesis 4686.
- tRNA (tyrosyl)**,
iodine-125-labelled, incorporation, protein biosynthesis, cell-free system 185.
- tRNA (tyrosyl) synthetase**,
binding-AMP (tyrosinyl) 4697.
- liver, rats, purification/characterization 777.
- yeast, substrate specificity 183.
- tRNA (uracil-5)-methyltransferase**,
Escherichia coli, methylation-tobacco mosaic virus tRNA 2384.
- tRNA Val**,
anticodons, efficiency-valine codons reading 5832.
- characterization, *Hordeum vulgare* 1399.
- Drosophila melanogaster*, purification/characterization 747.
- Escherichia coli*, complex-tRNA(valyl) synthetase, size 6696.
- genes, *Drosophila melanogaster* chromosomes, localization/characterization 5227.
- genes, yeasts, 5'-terminus fragments, synthesis 5796.
- interaction-yeasts tRNA (valyl) synthetase, ultracentrifugation 4699.
- liver, rabbits, tertiary structure 2381.
- methylation, *Phaseolus vulgaris* cytoplasm/chloroplasts/mitochondria 2386.
- yeast, tetranucleoside triphosphate/pentanucleotides, synthesis 163.
- tRNA (valyl)**,
deacylation, inhibition-AMP 2'(3')-aminophosphonic esters 1879.
- role-protein degradation, *Escherichia coli* 761.
- tRNA (valyl) synthetase**,
activity, muscles, rabbits, insulin, effects on 2389.
- Bacillus stearothermophilus*, purification/characterization 1882.
- Bacillus stearothermophilus* /*Escherichia coli*, reaction mechanisms 5856.
- Bacillus subtilis*, characterization 1400.
- brain, embryos, chickens, radiation (γ), effects on 3465.
- Escherichia coli*, complex-tRNA Val, size 6696.

- Escherichia coli*, fluorescence polarization 4698.
Escherichia coli, *a*-aminophosphonous acids substrate specificity 778.
Escherichia coli, inhibition-aminoacyl adenylates phosphonate analogues 779.
Escherichia coli, inhibition-aminoacyl adenylates 771.
Escherichia coli, role-*ilv*EDA operon attenuation 1407.
Escherichia coli, substrate specificity 6698.
Euglena gracilis, purification/characterization 5336.
intermediates, *Lupinus luteus*, characterization 4089.
lupins, reaction mechanisms 3464.
mutants, CHO cells 1884.
Mycobacterium smegmatis, purification/properties 6697.
Tetrahymena pyriformis, comparison-mitochondria/cytoplasm 4090.
yeast, substrate specificity 183.
yeasts, interaction-tRNA 5855.
yeasts, interaction-tRNA Val, ultracentrifugation 4699.
yeasts, substrates binding/tRNA, effects on 6699.
yeasts, tRNA recognition 776.
RNases, see **Ribonucleases**,
Rosa,
mRNA/rRNA biosynthesis during growth 4842.
Rotavirus (bovine),
genomes RNA, comparison-rotavirus (simian)/rotavirus (human), electrophoresis 5958.
RNA, transcription/translation-rabbits reticulocyte lysate 6822.
Rotavirus (human),
genomes RNA, comparison-rotavirus (simian)/rotavirus (bovine), electrophoresis 5958.
Rotavirus (simian),
genomes RNA, comparison-rotavirus (human)/rotavirus (bovine), electrophoresis 5958.
Rous-associated virus,
chickens, recombination-avian myelocytomatosis virus, genomes nucleotide sequence analysis 6358.
genomes expression/chromosomes subunits conformation, regulation 1129.
Rous-associated virus 2,
envelopes glycoproteins, RNA, mRNA activity 3637.
Rous sarcoma,
hamsters, Rous sarcoma virus-specific DNA sequence, hybridization analysis 6257.
Rous sarcoma virus,
associated proviruses, integration-embryo fibroblasts, chickens 2758.
closed circular DNA, characterization 3747.
deletion mutant, DNA, characterization 7057.
DNA, transfection-embryo fibroblasts, chickens, mechanisms 1130.
DNA-binding protein, endodeoxyribonuclease activity 1289.
DNA biosynthesis, infected chickens cells, kinetics 3143.
DNA polymerase (RNA-dependent), DNA biosynthesis in vitro 2806.
DNA polymerase (RNA-dependent), inhibition-disulfiram 545.
DNA polymerase (RNA-dependent)-deficient/positive, RNA, characterization 3543.
DNA polymerase (RNA-dependent)/ribonuclease H, N-methyl isatin β -thiosemicarbazone-copper complex, effects on 1738.
genomes, complementary DNA biosynthesis 6277.
genomes expression/chromosomes subunits conformation, regulation 1129.
genomes RNA deficient mutants, characterization 2460.
infected fibroblasts, embryos, chickens, decrease-procollagen biosynthesis, kinetics, relationship-mRNA 5859.
pol gene, role-recombination 3867.
replication/transformation-embryo cells, chickens, inhibition-adenosine (3-deaza) 2334.
RNA, analysis-*Aspergillus oryzae* nuclease S1/ribonuclease T1/*Escherichia coli* ribonuclease III ribonuclease IV 2459.
RNA, characterization, *Microtus agrestis* transformed/revertant cells 3542.
RNA, isolation-infected cells, methodology 5933.
RNA, nucleotide sequence, comparison-endogenous/exogenous 2458.
RNA, ribosomes binding sites, coding-gag gene products N-terminus 3544.
RNA biosynthesis, RNA polymerase products, heterogeneity 862.
RNA/DNA polymerase (RNA-dependent), isonicotinic acid hydrazide-copper complex, effects on 5640.
RNA segments, isolation/characterization 5380.
RNA 35S termini, polydeoxyribonucleotides, synthesis 4058.
specific DNA sequence, Rous sarcoma, hamsters, hybridization analysis 6257.
specific RNA sequence, recovery-Rous sarcoma virus deletion mutant induced tumours 542.
src gene, activation, induction-DNA biosynthesis, myotubes, embryos, chickens 1646.
src gene proteins characterization 1532.
transfer-ducks cells DNA sequences, 3T3 cells 1140.
transformation defective mutant, genomes RNA size 5959.
transformation defective mutant, induced tumours, avian sarcoma virus isolation, RNA sequence, comparison-Rous sarcoma virus 3107.
transformation-rats cell lines, biosynthesis-single-stranded DNA DNA-binding protein 7465.
transformation temperature-sensitive mutant, genomes RNA, characterization 3746.
transformed BHK-21 cells, proviruses DNA, infectivity 3868.
transformed embryo fibroblasts, chickens, collagen mRNA biosynthesis 899.
transformed embryo fibroblasts, chickens, tRNA methylation, inhibition-adenosine (5'-deoxy-5'-S-isobutyl) 2376.
transformed fibroblasts, chickens/mice, RNA biosynthesis, dimethyl-10,12-benz(a)acridine, effects on 6908.
transformed fibroblasts, rats, DNA replication, regulation-serum 7212.
transformed mammalian cells, virus-specific RNA, nucleotide sequence 2991.
Rubella virus,
replication, 17 β -oestradiol, effects on 2502.
S phase,
HeLa cells, RNA 5S genes replication 423.
rates, relationship-RNA content, lymphocytes 3189.
Saccharomyces,
mitochondria DNA, rRNA 21S cistrons, mapping/localization 4350.
mitochondria DNA, rRNA 21S regions, genetic markers, location 4352.

Saccharomyces, (continued)

- petite mutant, mitochondria DNA, rRNA 21S regions, mapping/organization 4351.
- plasmids DNA, in vitro replication 4371.
- Saccharomyces carlsbergensis**, mitochondria, DNA, nucleotide sequence 3118.
- phosphorylated ribosomal proteins, characterization 816.
- ribosomal proteins, methylation 811.
- tRNA (threonyl) synthetase, purification/characterization 1885.
- rRNA gene organization 1042.
- rRNA 37S precursors, characterization 4180.
- Saccharomyces cerevisiae**, adenosinetriphosphatase complex, subunits, structural gene, DNA, mitochondria, nucleotide sequence 4357.
- amber mutant genes, cloning, suppression-*Escherichia coli*, role-tRNA 6369.
- antisuppressor mutant, adenosine (isopentenyl) deficient tRNA 1395.
- apurinic-site-specific endonuclease, purification/characterization 1163.
- catalase mRNA, translation-cell-free system 5433.
- cdc mutant, effects on radiation (u.v.)-induced genes mutagenesis 7150.
- cell cycle mutants, DNA biosynthesis 3178.
- cell cycle mutants, DNA ligase activity 3276.
- cell division mutants, DNA biosynthesis/meiosis 3828.
- cell-free system, activity-mRNA translation, preparation/characterization 5340.
- cell-free system, initiation/elongation/termination reaction, analysis 5341.
- chromatin/nuclei, transcription, specificity-RNA polymerase I/RNA polymerase III 3255.
- chromatin structure, relationship-proteins content 3967.
- chromosome XII, location-rRNA gene 6513.
- chromosomes DNA, analysis-termini cross-linking 5512.
- chromosomes DNA fragments, isolation/characterization, use-leu2 gene containing plasmids 6951.
- circular mitochondrial DNA, resolution, electrophoresis 1041.
- cloning-plasmid pPMB9 derivatives, *Escherichia coli* 5112.
- ColE1, arg gene containing, transformation-*Saccharomyces cerevisiae* arg mutant 7247.
- DNA, *Escherichia coli* RNA polymerase binding sites, mapping 7075.
- DNA, γ -fraction, segregation, meiosis 319.
- DNA, mitochondria, incorporation-radioactively labelled adenosine (deoxy) 104.
- DNA, pyrimidine dimers, role-mutagenesis 5552.
- DNA biosynthesis, association-cell cycle 1064.
- DNA biosynthesis, mechanisms 2684.
- DNA biosynthesis/RNA biosynthesis/protein biosynthesis rate, during cell cycle 1065.
- DNA biosynthesis/RNA biosynthesis/protein biosynthesis, inhibition-basic amino acids 1083.
- DNA content, autolysis, effects on 4260.
- DNA ligase defective mutant, DNA repair 4399.
- DNA mitochondria, restriction endonuclease mapping 4354.
- DNA repair, anthramycin/tomayomycin/sibiromycin-induced, mechanisms 3157.
- DNA repair, radiation (X) induced double-stranded breakage, mechanisms 4398.
- DNA repair, single-stranded breakage, formaldehyde-induced 1082.
- double-stranded RNA, electron microscopy mapping 250.
- double-stranded RNA, homology-DNA 2468.
- double-stranded RNA, molecular weight determination 1487.
- double-stranded RNA, relationship-virus-like particles 3515.
- endonuclease α , activity-radiation (u.v.)-treated phage T7 DNA 2767.
- exoribonuclease, characterization 6390.
- galactokinase mRNA, purification, methodology 4764.
- galactose, gene expression 2912, 3028.
- galactose-induced cloned DNA sequence, isolation 3662.
- glyceraldehyde-phosphate dehydrogenase/enolase/phosphoglycerate kinase mRNA, isolation/identification 1929.
- glyceraldehyde phosphate dehydrogenase genes, isolation/characterization 6220.
- histones, isolation/conservation 1249.
- histones-bound plasmids DNA, isolation/characterization 6933.
- his4 gene products purification/characterization 7277.
- isoaccepting tRNA Ala, occurrence/variability 4074.
- iso-1-cytochrome c genes, nucleotide sequence 4983.
- killer factors, review 6553.
- killer plasmids double-stranded RNA replication, requirement-spermine/spermidine 283.
- methyl methanesulphonate-induced breakage, DNA repair 5553.
- mitochondria, deoxyribonuclease, activation-ethidium bromide, mechanisms 3232.
- mitochondria, deoxyribonuclease, purification/characterization 3231.
- mitochondria, DNA, genes conversion, asymmetry 3876.
- mitochondria, DNA, guanosine + cytidine-rich regions, nucleotide sequence homology 3763.
- mitochondria, DNA, mapping-rRNA/tRNA genes/antibiotic resistance loci 2080.
- mitochondria, DNA, nucleotide sequence 3118.
- mitochondria, DNA, restriction endonuclease mapping 2081.
- mitochondria, DNA, tRNA genes, mapping 4982.
- mitochondria, DNA, tRNA Thr genes, mapping 4356.
- mitochondria, DNA, transcription 6815.
- mitochondria, DNA, tryptophan codons sequence 7278.
- mitochondria, genomes, mapping, review 7.
- mitochondria, purine (2,6-diamino) mutagenicity/effects on protein biosynthesis 6574.
- mitochondria, ribosomes, paromomycin/neomycin resistance mutation, characterization 6746.
- mitochondria, tRNA (Phe), nucleotide sequence 2935.
- mitochondria, tRNA Cys/tRNA His genes, nucleotide sequence 7076.
- mitochondria, tRNA Phe, nucleotide sequence 1876.
- mitochondria, rRNA 23S genes, insertion sequences, characterization 5514.
- mitochondria DNA, adenosinetriphosphatase genes, nucleotide sequence 3119.
- mitochondria DNA, mapping, comparison-strains 4355.
- mitochondria DNA, restriction endonuclease fragments, cloning-*Escherichia coli*, use-plasmid pMB9 5605.
- mitochondria DNA-containing haploid strains, construction 4464.
- mitochondria mutants, DNA, deletion mapping 5513.
- mutants, DNA metabolism 7223.
- mutants, rRNA biosynthesis 1970.
- mutants, rRNA maturation 4216.
- mutants, dTMP uptake 5789.
- nuclear mutations, effects on spontaneous mutations frequency, mitochondria DNA 5111.
- nuclei, DNA, containing, recombinants plasmids, cloning, *Escherichia coli* 2746.

***Saccharomyces cerevisiae*, (continued)**

orotidic-5'-phosphate decarboxylase mRNA, transcription regulation 2999.
 petite mutant, mitochondria DNA nucleotide sequence, adenosinetriphosphatase genes localization 6219.
 petite mutant, mitochondria DNA structure/organization, review 4589.
 petite mutant/grande mutant, mitochondria, DNA, heterogeneity 6221.
 pet18 gene, mitochondria DNA/killer factor maintenance 1697.
 plasmid ScpI, transcription/translation products, mapping 4771.
 plasmids DNA recombination intermediates, occurrence during meiosis 7074.
 polyribosomes, poly (A)-containing mRNA 2415.
 polyribosomes, poly (A)-containing mRNA, size 5974.
 protein biosynthesis, elongation rates/ribosomes activity, relationship-growth rate 4702.
 protein biosynthesis/meiosis, inhibition-ammonia 789.
 radiation (u.v.), mutagenesis 3679.
 radiation (u.v.) mutagenesis, initiation 2707.
 radiation (u.v.)/nitrous acid induced DNA repair, mechanisms 1657.
 radiosensitive mutants, combination-8-methoxypsoralen + light, DNA repair 2111.
 regulation-RNA biosynthesis during cell cycle 4217.
 repetitive DNA, transposition 4984.
 respiratory adaptation, radiation (u.v.) sensitivity 1656.
 ribosomal protein 44, amino acid sequence determination 5880.
 ribosomal proteins biosynthesis during cell cycle 3467.
 ribosomal subunit 40S, ribosomal proteins methylation 1434.
 mRNA, half-life 4181, 4182.
 tRNA (methionyl) synthetase, mitochondria/cytoplasm, isoenzymes genes 4694.
 mRNA, poly (A) structure 5973.
 rRNA biosynthesis, methionine analogues, effects on 3015.
 RNA biosynthesis, regulation-cell cycle 1969.
 RNA biosynthesis, relationship-cell walls formation 4218.
 rRNA biosynthesis/protein biosynthesis, amino acids deprivation, effects on 4832.
 rRNA gene, divergent transcription 1138.
 rRNA gene, mapping, electron microscopy, methodology 1043.
 rRNA gene, sequence arrangement 1031.
 rRNA gene repeat unit, cloning-phage λ vectors 1139.
 rRNA gene spacer, nucleotide sequence 1614.
 rRNA genes, localization-chromosome XII 3325.
 tRNA Leu, purification/properties/nucleotide sequence determination 4682.
 rRNA maturation-defective mutants, isolation/characterization 6862.
 tRNA Phe Y base, synthesis 674.
 RNA polymerase II, transcription-DNA-histones complex 1728.
 rRNA precursors, characterization/identification-rRNA gene primary transcripts 3555.
 tRNA Ser, anticodon mutations, relationship-suppressor mutations 176.
 tRNA Tyr genes, deletion 5511.
 RNA 18S genes, nucleotide sequence 2654.
 rRNA 5-8S ribosomes interaction 810.

RNA 5S, ribosomal proteins binding sites, characterization 6798.

rRNA 5S, structure, nuclease S1 use-probes 4789.

rRNA-associated ribosomal proteins, identification 3484.

serine-insertion suppressors, characterization 4463.

sporulation, ribonuclease I/ribonuclease II/ribonuclease III activity 1708.

strains, RNA polymerase II deficient, isolation/characterization 7351.

tpi mutant, mitochondria DNA biosynthesis 4419.

transformation-plasmid pMB9 3216.

tryptophan synthetase gene expression, control-bacteria insertion sequence 2 3217.

virus-like particles, double-stranded RNA biosynthesis, regulation 4821.

***Saguinus*,**

tumours, induction-Herpesvirus saimiri/Herpesvirus ateles DNA 1679.

Salivary gland,

rats, chromatin, phosphorylation/proteins content, GMP (dibutyryl cyclic)/AMP (dibutyryl cyclic), effects on 2859.

rats, histones/nonhistone proteins phosphorylation, stimulation-isoproterenol 2848.

***Salmo*,**

DNA, purification, methodology 3650.

testis, chromatin, distribution-acetylated histone H4 3946.

testis, nuclease digestion, nucleosomes, characterization 5225.

testis, nucleosomes, occurrence-high mobility group

nonhistone proteins 5216.

testis, nucleosomes, purification/characterization 1783.

***Salmo gairdnerii*,**

chromatin, histone H4, association-template activity 1246.

protamine mRNA, cloning-complementary DNA 7279.

protamine mRNA, coding/non-coding regions, sequence

divergence 7084.

rRNA 5S nucleotide sequence, chromatography (high

performance liquid) 878.

testis, protamine genes, number/frequency 3054.

testis, protamine mRNA, isolation/characterization 6916.

***Salmonella ordonez*,**

antibiotic resistance determinants, translocation 5105.

***Salmonella typhi*,**

antigenicity/virulence, yeasts RNA, effects on 6897.

***Salmonella typhimurium*,**

aflatoxin B1 mutagenesis/DNA binding/adducts formation 4270.

chromosomes replication origin, gene mapping 5602.

DNA, binding-*Glycine max* cells, autoradiography 3201.

DNA binding-ethidium azide analogues, ethidium bromide competition 5458.

DNA-defective mutant, DNA biosynthesis, control-phage P22 transduction particles 5543.

DNA replication origin, containing, plasmids, isolation/restriction endonuclease mapping 7070.

hisT mutant, uridine (pseudo)-containing tRNA (aminoacyl), role-regulation 5836.

histidine operon control region, nucleotide sequence 1032.

histidine operon DNA, cloning-phage M13 7276.

hisU mutant, RNA biosynthesis control during nutritional shifts 6856.

infection-phage P22, spermidine, effects on, DNA biosynthesis inhibition 1642.

linkage maps, review 2896.

N-methylcarbamate derivatives, mutagenesis 973.

Salmonella typhimurium, (continued)

mutagenesis, mechanisms, review 2885.
 phagocytosis, bactericidal activity, determination-DNA release 3197.
 pseudouridylyl synthetase I, isolation/purification 2940.
 pyr gene expression, role-purines 6573.
 recombination, R factor R46/plasmid pKM101, effects on 3206.
 tRNA methyltransferase, purification/characterization 2385.
 RNA polymerase temperature-sensitive mutant, isolation/detection 7340.
 temperature-sensitive mutant, phage P22 DNA replication/maturation 5539.
 transposons insertion, mechanisms 2766.
San Miguel sealion virus,
 RNA, fractionation, absence-5'-terminus caps 5934.
Sarcoma,
 ascites cells, mice, actin mRNA, translation efficiency/stability 6078.
 mice, rRNA 5S/rRNA 18S, hybridization-*Hordeum* embryos 1496.
Sarcoma viruses,
 genomes, structure, review 4606.
Sarkosyl,
 effects on rRNA precursor biosynthesis, Novikoff hepatoma nucleoli 2521.
Satellite DNA,
 see also **DNA**
 African green monkeys cells, organization, use-restriction endonuclease/cloning 6246.
Apodemus sylvaticus /*Apodemus flavicollis*, restriction endonuclease mapping, comparison 6238.
 arrangement, human chromosomes 3782.
 biosynthesis, absence during prophase, spermatocytes, mice/human 3798.
Bungarus fasciatus /*Elaphe radiata*, W chromosome-associated, condensed, behaviour 3976.
 calf thymus, repetitive sequence organization 1053.
 calf thymus, restriction endonuclease EcoRI/restriction endonuclease AluI fragments, nucleotide sequence 1626.
 compaction, heterochromatin, relationship-histone H1 phosphorylation, *Drosophila virilis* 6489.
Cucumis sativus /*Raphanus sativus*, isolation/characterization 5008.
 distribution-*Drosophila melanogaster* 948.
Drosophila melanogaster chromatin, satellite DNA-adjacent copia gene 1620.
Drosophila virilis, isolation/characterization 7085.
Equus przewalskii, purification/characterization 5529.
 eukaryotes, evolution 658.
 goats/sheep, comparison 3781.
 high molecular weight, *Lytechinus variegatus* spermatozoa, isolation 955.
Hordeum vulgare /*Triticum aestivum*, denaturation/reassociation properties 416.
 human, distribution-*Pan troglodytes* /*Gorilla gorilla beringei* /man, comparison-rRNA gene distribution, *Pongo pygmaeus* /*Gorilla gorilla gorilla* 3055.
 human, fragments, cloning/chromosomes distribution 7097.
 hybridization-human leukaemia (acute) chromosomes 1790.
 L cells, nucleotide sequence determination, use-phage T4 endonuclease IV 2092.
 localization-*Drosophila nasutoides* metaphase chromosomes 3975.
Lytechinus variegatus sperm, characterization 397, 1617.
 mice, base composition 408.
 mice, denaturation during chromatin melting 3130.

mice, nucleotide sequence/evolution 405.
Physarum polycephalum, rRNA gene, characterization 6214.
 replication, fibroblasts mice, bleomycin, effects on 2115.
 replication, kinetics, 3T3 cells synchronous culture 5071.
Satellite RNA,
 satellite tobacco necrosis virus/cucumber mosaic virus, stability in vitro/in vivo 4783.
Satellite tobacco necrosis virus,
 RNA, capping, mRNA properties, effects on 4853.
 RNA, 5'-terminus nucleotide sequence 4784.
 satellite RNA, stability in vitro/in vivo 4783.
Sauromatum guttatum,
 isolation-high molecular weight rRNA 3516.
SA12 virus,
 genomes DNA, sequence homology-SV40/stump-tailed macaque virus 5503.
Scenedesmus,
 bacterial DNA, uptake/fate 1115.
Schistosoma mansoni,
 DNA biosynthesis/RNA biosynthesis, hycanthone, effects on 2129.
Schizophyllum,
 endonuclease, DNA cutting during meiosis 7302.
Schizophyllum commune,
 genomes DNA, characterization 7077.
 radiation (u.v.) damage, DNA repair 1084.
Schizosaccharomyces pombe,
 circular DNA, characterization 5515.
 DNA replication, initiation control 6322.
 drug resistance mutants, ribosomes, characterization 2427.
 mitochondria, DNA, structure, electron microscopy 2655.
 mutants, tRNA Ser suppressors, characterization 3443.
 radiation (u.v.), survival/mutagenesis, role-caffeine-sensitive DNA repair 3158.
 mRNA biosynthesis, during cell cycle 3618.
 tRNA genes, transcription-*Xenopus laevis* germinal vesicle extracts 749.
 tRNA Glu, nucleotide sequence 4683.
 rRNA/mRNA biosynthesis, patterns, during cell cycle 3617.
 suppressors tRNA Leu, identification/nucleotide sequence 5322.
 suppressors tRNA Ser, nucleotide sequence 5828.
 synergism interaction-radiation (u.v.) + radiation (γ), DNA repair 2112.
Sciara coprophila,
 tRNA gene repeated unit, homogeneity 6231.
Sciatic nerve,
 rats, RNA 4S transport 4848.
Scilla sibirica,
 nuclei/chromosomes, localization-nuclei fold-back sequence 1280.
Sclerotinia sclerotiorum,
 DNA/RNA/nucleotides content during growth, phosphorus, effe332 7194.
Scrapie agent,
 hamsters, detection-low molecular weight DNA 5411.
 occurrence-DNA 3052.
Sea urchins,
 see also **various species**
 development, RNA biosynthesis patterns 261.
 DNA polymerase α -associated RNA polymerase, characterization 524.
 DNA unwinding protein activity, development/cell cycle 1293.
 eggs, DNA biosynthesis/protein biosynthesis, artificial activation, effects on 5060.
 embryos, low molecular weight RNA metabolism 4808.

Sea urchins, (continued)

embryos, RNA biosynthesis, benzo(a)pyrene/hydrocortisone/corticosterone/ethidium bromide/actinomycin D/papaverine, effects on 6867.
 embryos, mRNA sequences, expression-RNA, adults 304.
 histones, electrophoresis 1248.
 mitochondria, RNA, degradation, ionophore A 23187, effects on 4229.
 ribonucleoprotein (messenger), translation-cell-free system 3293.
 RNA (heterogeneous nuclear), 5'-terminus capping during embryos development 4809.

Secale,

DNA, sequence organization 1059.

Secale cereale,

embryos, ribonucleoprotein (messenger) biosynthesis during development 5197.
 genomes complexity, comparison-*Triticum durum* /*Triticale* 7104.

heterochromatin, localization-repetitive DNA 3960.

leaves, growth, cytokinins, effects on 718.

nuclei/chromosomes, localization-nuclei fold-back sequence 1280.

ribonucleoprotein (messenger), sedimentation properties 591.

Secretin,

effects on DNA biosynthesis, colon, rats 4393.

Seminal vesicle,

rats, mRNA biosynthesis/protein biosynthesis, testosterone, effects on 274.

Semliki Forest virus,

defective-interfering particles, production/characterization, embryo fibroblasts, chickens/mammalian cells 896.

defective-interfering particles RNA, characterization, cloned *Aedes albopictus* cells 4171.

nucleocapsids assembly, embryo fibroblasts, chickens 1756.

replication, ricin-resistant L cells, mice 2498.

mRNA, glycoproteins, translation, mechanisms 5430.

Sendai virus,

defective-interfering particles, genomes structure 2273.

infected Ehrlich ascites tumour cells, ribonucleoproteins, occurrence/characterization 3290.

nucleocapsids, metabolism/assembly 1798.

nucleocapsids, ribonucleoproteins helix, topography 6466.

mRNA, identification 836.

Serine,

effects on DNA biosynthesis, human bone marrow cells 459.

Serratia marcescens,

endonuclease, cleavage-thymus DNA, rats 2183.

nuclease, immobilization 2772.

prodigiosan, effects on DNA biosynthesis, rats, liver 453.

tryptophan operon, nucleotide sequence 2644.

Serum,

effects on DNA biosynthesis, human testis adenoma/adenocarcinoma 1677.

effects on DNA biosynthesis, mammary gland epithelial cells, rats 2140.

effects on RNA biosynthesis, embryos, mice 2506.

human, DNA-binding properties 7480.

regulation-tRNA (aspartyl), BHK cells/tumours 169.

Sesquiterpene lactones,

inhibition-DNA polymerase, tumours 1665.

Sheep,

chromosomes, repetitive DNA, characterization 2090.

globin mRNA, accumulation/gene expression 916.

β -haemoglobin mRNA sequences, assays during

haemoglobin A-haemoglobin C switching 226.

liver, tRNA (methionyl) synthetase, purification characterization 772.

mammary gland, tRNA (methionyl) synthetase, purification/characterization 773.

pituitary, prolactin/growth hormone biosynthesis/mRNA translation, oestrogen, effects on 5862.

pituitary cell culture, prolactin biosynthesis/preprolactin mRNA activity, 17β -oestradiol, effects on 5863.

satellite DNA, comparison-goats 3781.

spermatogenesis, chromatin, transformation 2852.

Shigella dysenteriae,

tryptophan operon, nucleotide sequence 1610.

Shigella flexneri,

antibiotic resistance isolates, plasmids, characterization, electrophoresis 7245.

Shigella sonnei,

antibiotic resistance isolates, plasmids, characterization, electrophoresis 7245.

DNA, adenine (N^6 -methyl) content 394.

DNA methyltransferase, characterization 2814.

phage DDVI, DNA methylase, guanine methylase, specificity/function 5169.

Shigella stutzeri,

DNA, adenine (N^6 -methyl) content 394.

DNA methyltransferase, characterization 2814.

Shope papilloma virus,

genomes DNA, detection-benign/malignant tumours, rabbits 6360.

Showdomycin,

C-nucleoside, halogen derivatives, synthesis 2913.

C-nucleoside, synthesis, methodology 5750.

Sibiromycin,

binding-*Escherichia coli*/phage PM-2 linear/circular DNA, effects on density 4339.

induced DNA repair, *Saccharomyces cerevisiae*, mechanisms 3157.

interaction-chromatin, lymphadenosis cells, mice 7431.

Silicon,

substituted uracil/uridine ($2'$ -deoxy), synthesis/properties 6561.

Silicon oxide,

treated macrophages supernatants, effects on DNA/RNA metabolism, granuloma cells, rats 6316.

Silk fibroin,

genes, *Bombyx mori* DNA, mapping 399.

Silver,

effects on *Escherichia coli* DNA hydroxyapatite chromatography 328.

Simian foamy virus 7,

persistent infection, role-proviruses DNA, rabbits 2741.

Simian sarcoma-leukaemia virus,

specific RNA, detection-infected cells, use-hybridization 4756.

Simian sarcoma virus,

DNA polymerase/DNA nucleotidylexotransferase, inhibition-pyrans 1202.

Sinapis alba,

apex, RNA biosynthesis, flowering transition, effects on 922.
 hypocotyls, polyribosomes loss, phytochromes, effects on 1917.

Sindbis virus,

complementary DNA biosynthesis, use-avian myeloblastosis virus DNA polymerase (RNA-dependent) 546.

defective-interfering particles, RNA, oligonucleotides mapping 3545.

infected chickens cells, protein biosynthesis, sodium/potassium concentration, effects on 6702.

Sindbis virus,(continued)

production/cytopathogenesis, *Aedes albopictus* cells, inhibition-ribavirin 3399.
 replication, poly(I-C), effects on 1870.
 replication, ricin-resistant L cells, mice 2498.
 RNA, cytidine (5-methyl) residues, localization, in vitro 1477.
 RNA biosynthesis, *Aedes albopictus* cells, methionine deprivation, effects on 4192.
 RNA 26S, isolation, use-complementary DNA-cellulose chromatography 5370.
 RNA 42S/RNA 26S, ribosomes-protected fragments, characterization 5961.
Sinefungin,
 inhibition-mRNA (guanine-7-)-methyltransferase/mRNA (nucleoside-2'-)-methyltransferase, Newcastle disease virus/vaccinia virus 2218.
Sipunculus nudus,
 erythrocytes, chromatin structure 5215.
Sister chromatid exchange,
 analysis, foetal chromosomes, mice 6496.
 ascites tumour cells/spermatogonia, mice 6509.
 association-uridine (5-bromodeoxy)-induced dense double-stranded DNA, CHO cells 1631.
 Bloom's syndrome fibroblasts, hybridization-normal fibroblasts, effects on 6502.
 CHO cells, anaesthetics, effects on 7453.
 CHO cells/human lymphocytes, ascorbic acid, effects on 7451.
 cocultivation-Bloom's syndrome/normal fibroblasts, effects on 1781.
 frequency, comparison-mice liver/bone marrow cells 1784.
 human, induction-acetaldehyde 3082.
 human fibroblasts, induction-mitomycin/ethyl methanesulphonate/N-acetoxy-2-acetyl-amino-fluorene, age, effects on 1780.
 human lymphocytes, chemicals-induced DNA damage 7448.
 human lymphocytes, cytidine (5-bromodeoxy), effects on 7446.
 human Philadelphia chromosome-positive leukaemia cells 1297.
 induction-12-O-tetradecanoylphorbol 13-acetate, relationship-carcinogenesis 3323.
 mitomycin C-induced, frequency, human lymphocytes 2262.
 mitomycin C-induced, mice/rats, age, effects on 1276.
 normal/abnormal human lymphoid cell lines, carcinogens/mutagens, effects on 5051.
 radiation (u.v.) treated *Micrococcus luteus*, chloramphenicol, effects on 5038.
 radiation (X)-induced, C3H cells, mice, 12-O-tetradecanoylphorbol 13-acetate/antipain/leupeptin, effects on 5226.
 role-uridine (5-bromodeoxy) incorporation, Chinese hamsters cells DNA 4045.
 use-DNA damage quantitation 7452.
Sister chromatids,
 uridine (5-bromodeoxy)-containing, Chinese hamsters cells, staining 632.
Skeletal muscle,
 embryos, chickens, RNA polymerase levels during differentiation 3893.
 rats, protein biosynthesis initiation, fasting, effects on 828.
 rats, ribonuclease II/ribonuclease I/deoxyribonuclease II activity, neurectomy, effects on 496.
 rats, ribosomal subunit 60S, phosphoprotein L γ , characterization 814.
Skin,
 cells, mice, DNA, binding-polycyclic hydrocarbons 2583.

human, DNA cross-links, electron microscopy 3786.

Smallpox,
 infection, purines/pyrimidines derivatives, chemotherapy, review 3360.

Smittia,
 eggs, radiation (u.v.)-treated, RNA photoreactivation 850.
 eggs, RNA, radiation (u.v.)-induced cross-linking-proteins 7479.

rRNA, characterization 1954.

Snakes,
 venom, 5'-nucleotidase, substrates conformation 1216.

Snowshoe hare virus,
 RNA, identification-nucleocapsid protein coding segments 5422.
 wild type/temperature-sensitive mutant, complementary RNA biosynthesis 6823.

Sodium,
 concentration, effects on protein biosynthesis/RNA biosynthesis/DNA biosynthesis, Ehrlich ascites tumour cells 4712.

concentration, effects on protein biosynthesis, Sindbis virus-infected chickens cells 6702.

Sodium bisulphite,
 effects on cytosine deamination, DNA repair, *Escherichia coli* 5033.

interaction-phage SD DNA 365.

interaction-uridine (5-halo), n.m.r. 4031.

Sodium butyrate,
 effects on deacetylation-histones, HeLa cells 600.
 induction-gene expression, Friend erythroleukaemia cells 5418.

inhibition-histones acetyl groups turnover, Friend erythroleukaemic cells 1762.

Sodium chloride,
 combination-radiation (γ), inhibition-DNA repair/DNA degradation, *Escherichia coli* 2706.

concentration, dependence, phage λ DNA melting profiles 6148.

concentration, effects on histones oligomers equilibrium 5198.
 effects on *Bacillus subtilis* RNA polymerase transcription-phage SP82 DNA 3606.

effects on nucleosomes cores particles structure 5667.

effects on ribosomes distribution, *Zea mays* roots 5906.

effects on SV40 chromosomes structure following reconstitution 7450.

effects on yeasts tRNA conformations 6669.
 radiosensitization-*Escherichia coli*, mechanisms 2705.

Sodium citrate,
 effects on exogenous deoxyribonuclease activity, *Daucus carota* protoplasts 2180.

Sodium deoxycholate,
 combination-tetracycline, effects on DNA biosynthesis/RNA biosynthesis/protein biosynthesis, *Vibrio (NAG)* / *Staphylococcus aureus* / *Escherichia coli* 6320.

Sodium dodecyl sulphate,
 inhibition-ribonuclease 491.

Sodium fluoride,
 effects on DNA biosynthesis/protein biosynthesis, fibroblasts, mice 7213.

Sodium pyrophosphate,
 inhibition-avian myeloblastosis virus DNA polymerase (RNA-dependent) 1739.

Sodium ribonuclease,
 effects on RNA biosynthesis, liver, rats 293.

Solanum,
 tuber discs, RNA biosynthesis, aerobic incubation, effects on 468.

***Solanum tuberosum*,**

tubers, development, nuclease/DNA/RNA content 2171.
tubers, RNA biosynthesis, characterization 3006.

Somatotropin,

effects on DNA biosynthesis, human benign breast tumours 431.

Sonchus yellow net virus,

genomes RNA, sequence complementarity-sonchus yellow net virus infected *Nicotiana* ribosomes 6787.

Spectroscopy (absorption),

nucleotides binding-actinomycin D 120.

Spectroscopy (fluorescence),

DNA binding-7,12-dimethylbenz(a)anthracene 348.

Spectroscopy (i.r.),

DNA complex-histone H1/histone H2A/histone H4, structure, comparison 7419.

DNA conformation, chromatin/histones/nonhistone proteins complex 4917.

DNA structure transformation, relationship-temperature 7007.

GMP complex-copper 5304.

guanine/cytosine complex-zinc 2903.

guanine derivatives 22.

halogen substituted pyrimidine 678.

uracil (1,3-dimethyl) association-4-pyridone 4022.

uracil/adenine/hypoxanthine substituted derivatives 4616.

uracil/uracil (6-methyl)/uridine, complex-sites, binding platinum II 681.

Spectroscopy (Raman),

AMP/adenosine (7-deaza)/inosine/uridine/cytidine, methyl derivatives 5757.

ATP interaction-metals 5783.

determination-nucleosomes nonhistone proteins interaction sites 6482.

DNA-actinomycin D complex 2066.

DNA-nitrospin/distamycin complex 2570.

guanine derivatives 22.

halogen substituted pyrimidine 678.

metals binding-cytidine 2327.

nitrogen isotopes substituted-guanosine 6592.

poly I (1 methyl) 3429.

RNA 5S, eukaryotes, secondary structure 1488.

RNA 5S/RNA 5.8S, structure 876.

uridine 5'-phosphoric acid, yeasts RNA 6594.

Spectroscopy (u.v.),

adenosine dinucleotide base stacking 4052.

calf thymus DNA, methylmercury, effects on 6245.

DNA complex-metals 6955.

haemoglobin mRNA structure 879.

ribonuclease I hydrogen exchange 498.

ribonuclease I interaction-AMP/GMP/purine (6-chloro)nucleotide/AMP (8-bromo) 1707.

uracil/uracil (6-methyl)/uridine, complex-sites, binding platinum II 681.

Spermatids,

rats, polyribosomes, temperature effects 3503.

Spermatozoa,

cattle, DNA content 1550.

cattle, DNA polymerase, isolation/characterization 2205.

cattle, RNA biosynthesis 3003.

human, DNA content 1551.

human, genomes DNA, characterization 3787.

mammals, differentiation, RNA biosynthesis/protein biosynthesis, review 1324.

mice, chromatids DNA, isolation/characterization 7447.

Spermidine,

effects on histone H1-poly (ADP-ribose) complex formation

603.

effects on phage P22 infection-*Salmonella typhimurium*, DNA biosynthesis inhibition 1642.

effects on mRNA translation, wheat germ cell-free system 6926.

effects on tobacco mosaic virus RNA/synthetic messenger poly (U), translation fidelity 5431.

induced condensation, phage T7 DNA, electron microscopy 382.

induction-DNA B-form-A-form transitions 4295.

interaction-AMP, n.m.r. 4053.

requirement, killer plasmids double-stranded RNA replication, *Saccharomyces cerevisiae* 283.

stimulation-tRNA fMet binding-ribosomal subunit 30S/protein biosynthesis, *Escherichia coli* 1918.

Spermine,

antibodies, inhibition-protein biosynthesis, wheat germ cell-free system 5865.

effects on *Escherichia coli* post-conjugation recombination 4458.

effects on histone H1-poly (ADP-ribose) complex formation 603.

inactivation-phage ϕ X174 DNA, mechanisms 3685.

induction-DNA B-form-A-form transitions 4295.

inhibition-N-methyl-N-nitrosourea methylation-chromatin DNA 972.

interaction-DNA, X-ray scattering/c.d. 359.

interaction-salmon sperm DNA, X-ray diffraction 398.

requirement, killer plasmids double-stranded RNA replication, *Saccharomyces cerevisiae* 283.

role-tRNA Ile aminoacylation, *Escherichia coli* 770.

stimulation-tRNA Ile formation, liver, rats, mechanisms 2933.

use-RNA separation-chromatography (column) 6766.

***Sphaerotilus natans*,**

growth inhibition-adenine arabinoside/nucleosides 3396.

***Spinacia*,**

chloroplasts, elongation factor G/elongation factor Tu/elongation factor T, purification 4753.

chloroplasts, RNA 14S, isolation/characterization 3567.

chloroplasts DNA, transcription/translation, *Escherichia coli* cell-free system 4100.

folded chloroplast DNA, electron microscopy 2094.

***Spinacia oleracea*,**

chloroplasts, DNA, association-photosynthesis membrane vesicles 6944.

chloroplasts, high molecular weight rRNA biosynthesis 5998.

chloroplasts, low molecular weight RNA, characterization 1962.

chloroplasts, low molecular weight rRNA biosynthesis/origin 5999.

chloroplasts, poly (A) containing RNA biosynthesis 6049.

chloroplasts DNA, localization-tRNA Ile genes 7291.

chloroplasts ribosomes, analysis-electrophoresis/electron microscopy 5354.

leaves/chloroplasts, tRNA, isolation-cytokinins 51.

***Spirillum lipoferum*,**

transformation, role-DNA 4461.

***Spirodela*,**

phosphates deficiency, RNA/AMP, effects on 6056.

Spleen,

cell culture, mice, DNA biosynthesis, stimulation-immunoglobulins Fc fragments 3191.

cells, mice, immune RNA uptake 5183.

immunosuppressor, inhibition-DNA biosynthesis 458, 1674.

Spleen.(continued)

rats, RNA biosynthesis post-irradiation, actinomycin D, effects on 435.

Spleen focus-forming virus,

effects on Friend leukaemia virus transformation-bone marrow cells, mice, in vitro 4452.

genomes RNA, identification/mapping 5962.

Spleen necrosis virus,

DNA, accumulation-infected avian/rats cells 7119.

DNA, restriction endonuclease analysis 5502.

Spodoptera eridania,

larvae, enzymes induction, role-RNA polymerase 3894.

RNA polymerase, purification/characterization 4487.

Spodoptera eridania,

DNA polymerase I/RNA polymerase II/RNA polymerase

III, purification/characterization 2781.

Spodoptera litura,

larvae, deoxyribonuclease, characterization 2783.

Spongilla carteri,

cells, DNA biosynthesis/RNA biosynthesis/protein

biosynthesis, aggregation, effects on 7196.

cells, RNA biosynthesis regulation 6868.

Sporamycin,

inhibition-DNA biosynthesis, mice 5043.

Sporulation,

gene expression, regulation, review 1329.

Spring viremia of carp virus,

RNA, 5'-terminus sequence analysis 5963.

Squamous cell carcinoma,

treatment, bleomycin, DNA repair, mice 1664.

Squirrel monkey virus,

gag gene mapping 3748.

Staphylococcus aureus,

antibiotic resistance mutants, RNA polymerase, sensitivity-rifampin/rifamycin SV/streptovaricin/streptolydigin 3897.

chromosomes, enterotoxin B genes, mapping 1281.

deoxyribonuclease, di-N-oxide quinoxaline derivatives, effects on 1711.

detection, use-deoxyribonuclease assays 3229.

DNA, homology-*Staphylococcus intermedius* 1033.

DNA biosynthesis/RNA biosynthesis, inhibition-gentamicin C 3155.

DNA biosynthesis/RNA biosynthesis/protein biosynthesis, tetracycline + sodium deoxycholate, effects on 6320.

DNA repair deficient mutant, isolation 7149.

erythromycin, antibiotic resistance, plasmids, DNA sequence

homology-*Streptococcus sanguis* /*Streptococcus faecalis* 7022.

nuclease, interaction-nucleotides, review 4605.

nuclease, proteins folding models, review 5260.

nuclease, reaction mechanisms 7300.

nuclease, X-ray crystallography, review 5259.

plasmid pC194/plasmid pC223/plasmid PUB112, DNA, characterization/transformation efficiency 2601.

plasmid pI258/plasmid pII147, mapping 4306.

plasmid pTP-2, DNA, transformation-*Bacillus subtilis* 3204.

protein biosynthesis, inhibition-pseudomonic acid, mechanisms 2946.

R factors, DNA replication, *Bacillus subtilis*, hydroxyurea, effects on 3175.

rec mutants, DNA degradation 3684.

ribonuclease activity, relationship-enterotoxins biosynthesis 7307.

RNA polymerase activity, rifamycins, effects on 2190.

transposon Tn 554, transformation/transduction/restriction

endonuclease analysis 6212.

Staphylococcus epidermidis,

plasmids DNA, assays 2017.

Staphylococcus intermedius,

DNA, homology-*Staphylococcus aureus* 1033.

Sterigmatocystin,

interaction-calf thymus DNA 3680.

Steroid hormones,

see also **specific hormones**

effects on DNA biosynthesis in vitro, ovary tumours 2106.

effects on RNA biosynthesis/DNA biosynthesis, *Pinus pinea* seeds 1986.

Steroids,

combination-nucleosides, preparation/antitumour activity 1849.

Sterols,

effects on DNA biosynthesis, phytohaemagglutinin-stimulated human lymphocytes 5066.

Strawberry latent ringspot virus,

RNA, poly (A) content 5968.

Streptococcus,

deoxyribonuclease, characterization 6396.

plasmid pIP501/plasmid pIP612/plasmid pIP613, physical properties/DNA homology 2068.

Streptococcus bovis,

DNA, preparation, base composition variation 6950.

Streptococcus cremoris,

plasmids DNA, isolation/characterization 3702.

Streptococcus faecalis,

DNA, single-stranded breakage, induction-heating 6290.

erythromycin, antibiotic resistance, plasmids, DNA sequence homology-*Staphylococcus aureus* /*Streptococcus sanguis* 7022.

sequence-specific restriction endonuclease, characterization 5617.

Streptococcus faecium,

plasmids, characterization 6083.

Streptococcus lactis,

adenine/guanine transport 4036.

plasmids DNA, characterization, relationship-citrate metabolism 4863.

RNA, incorporation-carbon-14-containing bicarbonate 1967.

Streptococcus mitior,

DNA homology 2645.

Streptococcus mutans,

isolation-plasmids DNA 6946.

strains, identification, DNA bases content 1034.

Streptococcus pneumoniae,

DNA, transformation, enhancement-proteinases 1680.

DNA single-stranded regions, characterization 4975.

endonuclease-defective mutants, transformation induction 2163.

phage PG24 genes transfer 3860.

plasmids DNA, detection 4864.

transformation, DNA-associated proteins, purification 2877.

transformation, donors DNA size, effects on 5107.

transformation, phage PM2 DNA uptake/transport 6357.

Streptococcus pyogenes,

plasmids, DNA, inverted repeat sequence 7024.

plasmids, DNA, restriction endonuclease analysis 7023.

Streptococcus sanguis,

DNA, transformation, enhancement-proteinases 1680.

erythromycin, antibiotic resistance, plasmids, DNA sequence homology-*Staphylococcus aureus* /*Streptococcus faecalis* 7022.

integrated donors DNA, translocation, inhibition-ethidium

- Streptococcus sanguis*, (continued)**
bromide 5106.
nascent RNA removal, effects on DNA transformation ability 7226.
- Streptolydigin**,
sensitivity, RNA polymerase, *Staphylococcus aureus* antibiotic resistance mutants 3897.
- Streptomyces***,
DNA isolation, methodology 2561.
transformation-plasmids DNA 474.
- Streptomyces adaphospholyticus***,
nucleotide 3'-pyrophosphokinase, characterization/activity 1208.
- Streptomyces albus***,
restriction endonuclease SalPI, restriction-phage R4 2782.
- Streptomyces aureofaciens***,
adenosine deaminase, purification/characterization 1746.
adenosine deaminase, substrate specificity 1745.
mycelia, deoxyribonuclease activity 5133.
restriction endonuclease, characterization 1168.
RNA biosynthesis/protein biosynthesis, chlortetracycline, effects on 6018.
RNA polymerase/polynucleotide phosphorylase, purification/properties 5142.
- Streptomyces azureus***,
antibiotic resistance, thiostrepton, mechanisms, rRNA 23S methylation 2994.
methylase, methylation-*Streptomyces coelicolor* rRNA 23S, role-thiostrepton antibiotic resistance 5897.
- Streptomyces coelicolor***,
cloned replicons, replication/gene expression 5078.
DNA, base composition 395.
rRNA 23S, methylation-*Streptomyces azureus* methylase, role-thiostrepton antibiotic resistance 5897.
- Streptomyces griseus***,
spores/hyphae, high molecular weight rRNA, isolation/characterization 875.
- Streptomyces hydrogenans***,
polyribosomes, 20 β -hydroxysteroid dehydrogenase biosynthesis, detection 3483.
- Streptomyces lavendulae***,
restriction endonuclease, purification/characterization 6401.
- Streptomyces olivaceus***,
isolation-plasmids DNA 953.
- Streptomyces piomogenus***,
polyoxin N, isolation/structure 691.
- Streptomyces rimosus***,
DNA, base composition 395.
kanamycin transposons, gene expression-*Escherichia coli* 5108.
ribonuclease, immobilization 2772.
ribonuclease, isolation/characterization 4472.
- Streptomyces stanfordi***,
restriction endonuclease, purification/characterization 2187.
- Streptomyces stanfordii***,
restriction endonuclease, localization-cleavage sites, adenovirus (human) 2/adenovirus (human) 5 DNA 6173.
- Streptomycin**,
effects on ribosomes 4120.
effects on ribosomes conformation, bacteria 4728.
- Streptovaricin**,
sensitivity, RNA polymerase, *Staphylococcus aureus* antibiotic resistance mutants 3897.
- Streptovercillium mycohepticum***,
spores, DNA content during germination 3829.
- Streptovercillium rimofaciens***,
mildiomycin, nucleoside antibiotics, isolation/characterization 3378.
- Stringent factors**,
Bacillus stearothermophilus, purification/characterization 5893.
- Strongylocentrotus***,
DNA repetitive sequence, evolution 6226.
- Strongylocentrotus***,
mRNA translation efficiency, *s. purpuratus*, fertilization 3640.
- Strongylocentrotus franciscanus***,
repetitive DNA frequency, evolutionary genetics 2085.
- Strongylocentrotus intermedius***,
embryos, deoxyribonuclease, isolation/properties 6399.
- Strongylocentrotus purpuratus***,
DNA, polymorphism 2659.
DNA, repetitive sequence, RNA transcription 1456.
DNA polymerase α /DNA polymerase β , isolation/characterization 540.
DNA polymerase β , purification/characterization 2801.
DNA sequence translocation during embryogenesis 2086.
eggs, histone H1 biosynthesis 2239.
eggs, protein biosynthesis, activation-ammonia, mechanisms 4704.
eggs, protein biosynthesis rate, fertilization, effects on 4705.
embryos, polyribosomes/ribonucleoproteins mRNA, translation efficiency, comparison 6915.
embryos, transcription, electron microscopy 4810.
embryos/adults, chromatin structure 3315.
histone H2b mRNA, 5'-terminus nucleotide sequence 5975.
histones, RNA transcription-RNA polymerase II 1727.
identification-late histones mRNA 6066.
nuclear RNA, sequence complexity 5394.
polynucleotide adenylyltransferase activity, during embryogenesis 3908.
repetitive DNA frequency, evolutionary genetics 2085.
repetitive DNA sequence, characterization 2658.
RNA, repetitive sequence transcripts 1490.
RNA complexity 5976.
tubulin mRNA translation, deciliation, effects on 312.
- Stump-tailed macaque virus**,
genomes DNA, sequence homology-SV40/SA12 virus 5503.
- Styela**,
poly (A)-containing RNA, distribution/localization during development 3517.
- Stylonychia**,
macronuclei, DNA size 4976.
- Stylonychia mytilus***,
DNA biosynthesis, uridine (5-bromodeoxy), effects on 4043.
macronuclei, chromatin structure 3334.
macronuclei, DNA, histones genes analysis 3116.
rRNA gene, characterization 2650.
- Stylonychia notophora***,
RNA biosynthesis/protein biosynthesis, metepa, effects on 1990.
- Subacute sclerosing panencephalitis**,
human, detection DNA/RNA antibodies 2229.
- Subacute sclerosing panencephalitis virus**,
replication, inhibition-ribavirin 1647.
- Sugars**,
phosphorylation, stimulation-protein biosynthesis/tRNA (methionyl) binding, cells, mammals, mechanisms 2964.

***Sulfolobus acidocaldarius*,**

RNA polymerase, characterization 7332.

Sulphates,

reaction-uracil/thymine 1813.

Sulphur,effects on RNA replication, *Nicotiana tabacum* 3040.**Superoxide dismutase,**

effects on RNA transport, rats hepatocytes nuclei, in vitro 3634.

radioprotection-radiation (γ) treated calf thymus DNA 3073.**Suppressors,**lysine codons, *Escherichia coli*, isolation/characterization 2939.tRNA Leu, *Schizosaccharomyces pombe*, identification/ nucleotide sequence 5322.tRNA Ser, *Schizosaccharomyces pombe* mutants, characterization 3443.serine-insertion, *Saccharomyces cerevisiae*, characterization 4463.**SV3T3 cells,**

tRNA turnover 177.

SV40,

adenovirus (human) 2 hybrids, DNA, characterization 3726.

antigen T, association-nucleoproteins complex 3291.

antigen T, binding-single-stranded DNA 4914.

antigen t, relationship-hosts DNA biosynthesis theophylline sensitivity 5055.

antigen T deletion mutant, DNA nucleotide sequence analysis 5506.

antigen T mRNA, translation-cell-free system 5339.

chromatin, DNA replication origin, structure/recognition-endonuclease 3969.

chromatin, endonuclease cleavage sites 2860.

chromatin, nucleosomes, arrangement, electron microscopy 614.

chromatin structure, review 1333.

chromatin structure, role-histone H1 3314.

chromosomes, DNA fragments, analysis 3751.

chromosomes, following reconstitution, sodium chloride/histone H1, structure, effects on 7450.

chromosomes, histones mobility 2259.

chromosomes, nucleosomes arrangement 635.

chromosomes, occurrence-histone H1 639.

chromosomes, structure, infected CV-1 cells 3332.

cloned hosts-substituted DNA variants, transcription 4193.

closed circular DNA, separation, methodology 5451.

deletion mutant, DNA, nucleotide sequence analysis 3752.

deletion mutant, DNA nucleotide sequence analysis 5504.

deletion mutant, mRNA biosynthesis 3020.

deletion mutant, mRNA 16S leaders sequence-containing, construction/analysis 6194.

denaturation mapping/genes mapping, comparison 3710.

DNA, binding-benzo(a)pyrene diol epoxide, bases specificity 3066.

DNA, cleavage, restriction endonuclease, mapping 388.

DNA, nucleotidylxotransferase 3'-terminus labelling, adjacent nucleotide sequence, effects on 4511.

DNA, homology-BK virus 4323.

DNA, identification-small t antigen regions coding sequence 2158.

DNA, infection, interference-heterologous DNA 3846.

DNA, infection-monkeys cells, recombination frequency 6361.

DNA, integration, infection-monkeys cells 1689.

DNA, integration-micehuman somatic cells hybrids 2760.

DNA, late strands, transcription-RNA polymerase 3895.

DNA, persistence/recombination, CV1 cells 7224.

DNA, phage P1 restriction endonuclease cleavage/methylation sites 4482.

DNA, recombinants joints, nucleotide sequence 3750.

DNA, replication origin containing fragments, nucleotide sequence 3749.

DNA, sensitivity-phage T4 endonuclease V, radiation (u.v.), effects on 6286.

DNA, supercoiling, requirement-*Xenopus laevis* oocytes factors 1306.

DNA, transcription initiation following infection 3582.

DNA, transcription/translation-tumours antigens/capsid protein, *Xenopus laevis* oocytes 3211.DNA, transcription-*Xenopus* oocytes, role-RNA polymerase II 6279.

DNA biosynthesis, CV-1 cells, radiation (u.v.), effects on 3147.

DNA biosynthesis, inhibition-benzo(a)pyrene derivatives 7134.

DNA biosynthesis, inhibition-camptothecin/neocarzinostatin 3803.

DNA homology-BK virus/JC virus 7045.

DNA replication, accumulation-late replicative intermediates 5542.

DNA replication, CV1 cells 4391.

DNA replication, permissive cells, kidney, hamsters, mitomycin C/radiation (γ), effects on 7120.DNA replication, role-DNA polymerase α 538.

DNA replication/conformation, cytidine (5-aza), effects on 4646.

DNA replication in vitro 2678.

DNA replication origin, localization 389.

double-stranded DNA, interaction-calf thymus/wheat germ RNA polymerase II, comparison 7353.

early DNA fragments, mapping 2635.

early/late mRNA, translation products, characterization 6063.

early mRNA, characterization 864.

early mRNA, structure 4779.

early mRNA, 5'-terminus structure, characterization 6790. effects on uridine (5'-bromo-2'-deoxy) mutagenesis, cells, hamsters 3408.

genes expression, teratocarcinoma stem cells, mice, relationship-RNA splicing 6824.

genomes, DNA sequence homology, detection/mapping, methodology 6124.

genomes DNA, sequence homology-SA12 virus/stump-tailed macaque virus 5503.

high molecular weight antigen T, biosynthesis-cell-free system 2397.

hybrids-adenovirus (human) 2, mRNA, leader sequence, role-translation 1934.

infected BSC-1 cells, rRNA, cytidine (5-aza), effects on 5293. infected cells, DNA recombination, review 665.

infected cells, RNA (heterogeneous nuclear)-proteins complex, characterization 3989.

infected CV-1 cells, chromosomes, occurrence-histone H1 2244.

infected kidney cells, mice, DNA transcription complex, electron microscopy 3944.

infected kidney cells, monkeys, transcription, cytosol, effects on 6005.

infected monkeys cells, transcription regulation models 6826. insertion β -globin complementary DNA, rabbits, transcription-kidney cells, monkeys 3869.

late RNA, heterogeneity/5'-terminus structure 3546.

late mRNA, splicing 4172.

late mRNA, 5'-terminus caps, heterogeneity 6791.

SV40.(continued)

late RNA transcription patterns 2499.
 leaders segments mutants, mRNA 16S/mRNA 19S structure 2992.
 minichromosomes, histones acetyl groups, turnover 3947.
 minichromosomes DNA, transcription-RNA polymerase, calf thymus/*Escherichia coli* 6825.
 nucleoproteins, histones structure 4535.
 nucleoproteins complex, identification/characterization 7412.
 nucleoproteins complex, infected CV-1 cells, isolation/characterization, methodology 3292.
 nucleoproteins complex, multiple forms, detection/characterization 2233.
 nucleoproteins complex assembly, electron microscopy/biochemical analysis 7411.
 polyribosomes, association-mRNA 16S/mRNA 19S 193.
 reactivation-rRNA silent gene, human x mice hybrids cells 6887.
 recombinants, nucleotide sequence determination 4960, 4961.
 replicating chromosomes, relationship non-replicating chromosomes 638.
 replicative form, associated nucleoproteins complex, histones, characterization 2241.
 restriction endonuclease fragments, nucleotide sequence 4958.
 mRNA, translation-cell-free system 4094.
 RNA biosynthesis/characterization, BSC-1 cells 897.
 mRNA nucleotide sequence analysis, use-genes comparison-eukaryotes/prokaryotes, review 2884.
 mRNA 16S, 5'-terminus leaders sequences, characterization, infected cells 248.
 mRNA 16S leaders, nucleotide sequence determination, methodology 3547.
 mRNA 16S/mRNA 19S, adenosine (N⁶-methyl) containing, identification/mapping 6788.
 RNA 16S 5'-terminus, nucleotide sequence 1942.
 mRNA 19S/mRNA 16S, 5'-terminus sequence heterogeneity 6789.
 spliced late RNA, mapping 863.
 temperature-sensitive mutant, DNA, restriction endonuclease cleavage patterns 2634.
 temperature-sensitive mutant, DNA biosynthesis, stimulation-antigen T 1667.
 temperature-sensitive mutant, DNA biosynthesis, regulation-gene A 6278.
 temperature-sensitive mutant, transformed Chinese hamster embryo cells, DNA biosynthesis initiation, role-A gene 1104.
 temperature-sensitive mutant transformed CHO cells, chromosomes abnormalities 2673.
 transcription, regulation, infected African green monkey kidney cells 3583.
 transformed, human fibroblasts, rRNA biosynthesis, inhibition-puromycin aminonucleoside 6885.
 transformed cells, DNA biosynthesis, cycloheximide, effects on 4390.
 transformed cells, mice, mitomycin C induction-viruses/DNA 1131.
 transformed cells, ribosomes/chromatin-associated protein kinase 2862.
 transformed 3T3 cells, chromatin, transcription/processing/structure 1268.
 transformed 3T3 cells, single-stranded DNA, isolation/characterization 6253, 7058.
 transformed WI-38 cells, DNA biosynthesis, inhibition-reovirus 2103.
 variants, DNA replication rate/encapsidation efficiency 3826.
 virions, stability, during nucleoproteins extraction 5658.

Sweet potatoes,
 roots, RNA biosynthesis, cutting/mercuric chloride, effects on 921.

Synechococcus,
 strains, plasmids DNA, detection/homology 7081.

Synechococcus cedrorum,
 plasmids, DNA homology-*Anacystis nidulans* 3700.

Synechocystis,
 strains, plasmids DNA, detection/homology 7081.

Systemic lupus erythematosus,
 detection-DNA antibodies 1240.

detection-measles virus proviruses DNA 5440.
 DNA antibodies, assays 4528.

DNA antibodies, assays, use-ethidium bromide fluorescence 3937.

DNA antibodies, binding properties 3938.

DNA antibodies, purification/characterization 3935.

DNA antibodies, relationship-subepidermal immunoglobulins deposits 4530.

DNA-antibodies complex, stability 3286.

DNA antibodies detection 6457.

double-stranded DNA antibodies levels 6458.

human, DNA antibodies, characterization 2227.

human, DNA antibodies, immunochemical characterization 7405.

human, double-stranded DNA antibodies, detection, methodology 5651.

human, serum, DNA antibodies, binding avidity 5187.

lymphocytes, effects on DNA biosynthesis, human bone marrow cells 3181.

occurrence-poly (ADP-ribose) antibodies 5178.

pleural effusion, DNA antibodies, assays 5186.

Taenia crassiceps,
 mRNA, translation, cell-free system 311.

Tallysomyacin,
 induction-DNA damage, mechanisms 5454.

Tartar emetic,
 effects on DNA biosynthesis, *Escherichia coli* 2721.

TC7 cells,
 tRNA turnover 177.

Teratocarcinoma,
 cells, mice, deoxyribonuclease T 2784.
 stem cells, mice, SV40 genes expression, relationship-RNA splicing 6824.

Terbium,
 binding-DNA, measurement 2038.
 complex-RNA/DNA, fluorescence 1930.
 fluorescence, DNA/rRNA, reaction-guanines 847.

Termination factor rho,
Escherichia coli, effects on phage ϕ X174 RNA biosynthesis 6000.

role-phage T4 gene expression 1501.

Testis,
 human, adenoma/adenocarcinoma, DNA biosynthesis, serum, effects on 1677.

trouts, histone H3 sulphhydryl groups, reaction-N-ethylmaleimide, nucleosomes structure 1793.

Testosterone,
 effects on DNA biosynthesis, hypothalamus, rats 5026.
 effects on RNA biosynthesis, prostate nuclei, rats 6013.
 effects on mRNA biosynthesis/protein biosynthesis, seminal vesicle, rats 274.

effects on RNA polymerase I/RNA polymerase II/chromatin template activity, kidney, mice 1184.

Testosterone, (continued)

effects on mRNA sequence complexity, seminal vesicle, rats 4183.

Tetraammineruthenium,

reaction-guanine (1,9-dimethyl)/guanosine (1-methyl)/adenosine 21.

Tetrabutylammonium fluoride,

alkylation-purines/pyrimidines/nucleosides/nucleotides 1339.
catalysis-dimethyl sulphate/diethyl sulphate alkylation-uracil/
3'-TMP/thymidyl-(3',5')-thymidine 2313.

3,3',4,4'-Tetrachloroazobenzene,

induced DNA repair, hepatocytes, rats 7160.

2,2',5,5'-Tetrachlorobiphenyl,

metabolites, induction-DNA single-stranded breaks 6986.

7,7,8,8-Tetracyanoquinodimethane,

complex formation-cytosine/guanine/adenine 38.

Tetracycline,

antibiotic resistance, plasmids, *Bacteroides fragilis*,
expression/conjugation mechanisms 6348.

combination-sodium deoxycholate, effects on DNA
biosynthesis/rRNA biosynthesis/protein biosynthesis, *Vibrio*
(*NAG*)/*Staphylococcus aureus*/*Escherichia coli* 6320.

complex-metals, binding-DNA/polynucleotides 4269.
effects on puromycin photoaffinity labelling-*Escherichia coli*
ribosomes 5890.

resistance genes, plasmid pBR313/plasmid pBR322,
promoters, characterization 7027.

12-O-Tetradecanoylphorbol 13-Acetate,

stimulation-DNA biosynthesis, human/mice cells 7126.
effects on radiation (X)-induced sister chromatid exchange,
C3H cells, mice 5226.

induction-sister chromatid exchange, relationship-
carcinogenesis 3323.

 Δ^9 -Tetrahydrocannabinol,

effects on ribosomes, brain, rats 4124.

Tetrahymena,

low molecular weight factors, inhibition-RNA biosynthesis
4200.

macronuclei, DNA size 4976.

RNA/proteins accumulation during cell cycle 6859.

Tetrahymena paravorax,

DNA biosynthesis cycles, relationship-dimorphism 5056.

Tetrahymena pigmentosa,

rRNA 25S genes, intervening sequence 4347.

Tetrahymena pyriformis,

DNA biosynthesis/rRNA biosynthesis/protein biosynthesis,
control 2681.

DNA structure 3117.

macronuclei, DNA, characterization 1037.

macronuclei, replicons size/DNA replication rates 6860.

macronuclei, RNA-containing nucleolar matrix, isolation/
characterization 6540.

macronuclei/micronuclei, DNA content 4869.

mitochondria, DNA, rRNA gene organization 2651.

mitochondria, DNA, rRNA gene sequence/position 2652.

mitochondria, replication-linear DNA 6321.

nuclear RNA release, nuclear membranes lipids fluidity,
effects on 6050.

nucleoli, transcription properties 1968.

poly (ADP-ribose) polymerase/poly (ADP-ribose)
glycohydrolase activity 2215.

ribonuclease II activity, changes during cell cycle 7316.

ribosomal protein S6 phosphorylation, role-ribosomes
catabolism 4122.

ribosomal proteins, starvation induced phosphorylation 3500.

ribosomal subunit 40S/ribosomal subunit 60S, isolation/
characterization 1905.

ribosomes, ribosomal proteins composition 5349.

RNA, temperature/actinomycin D, effects on 238.

tRNA (valyl) synthetase, comparison-mitochondria/
cytoplasm 4090.

rRNA biosynthesis, precursors incorporation, radiation (γ),
effects on 6837.

rRNA biosynthesis, regulation 3570.

rRNA gene transcription, lucanthone, effects on 5411.

rRNA 35S precursors, isolation, 5'-terminus identification
1949.

RNA 5S genes, organization 396.

Tetrahymena thermophila,

DNA, characterization, comparison-micronuclei/
macronuclei 4977.

DNA content, regulation/life cycles variation 2553.

macronuclei, DNA content, regulation 5016.

macronuclei/micronuclei, DNA content 4869.

ribosomal subunits, cycloheximide-resistance sites 1433.

ribosomes, ribosomal proteins composition 5349.

temperature-sensitive mutant, DNA replication 4418.

Tetraiodofluorescein,

inhibition-AMP deaminase, erythrocytes, chickens 1220.

Tetramethylammonium,

effects on DNA/polynucleotides conformation 3696.

Tetranitromethane,

interaction-deoxyribonucleoproteins 583.

Tetranucleoside triphosphate,

yeast tRNA Val, synthesis 163.

Tetranucleotides,

double-stranded, tRNA fragments, n.m.r. 1382.

self-complementary, helix-coil transition/complex formation-
daunomycin 4667.

self-complementary, n.m.r. 1383.

structure, X-ray diffraction 1381.

 β -Thalassaemia,

β -globin genes, DNA, restriction endonuclease mapping 6248.

human, β -globin mRNA, nucleotide sequence 5984.

human β -globin genes, structure 6247.

Thallium acetate,

stimulation-tRNA Phe binding-ribosomes, mice 1174.

Theophylline,

sensitivity, SV40 induced DNA biosynthesis, relationship-
antigen t 5055.

Thermoplasma acidophilum,

DNA, associated histones-like proteins, role 2243.

Thermus aquaticus,

endonuclease, isolation 2779.

rRNA 5S, secondary structure, temperature effects 2464.

Thermus flavus,

tRNA methyltransferase, activity 5327.

Thermus thermophilus,

elongation factor Tu/elongation factor Ts/elongation factor
G, purification/characterization 5913.

elongation factor Tu/elongation factor Ts/elongation factor
G, catalytic properties, comparison-*Escherichia coli* 5914.

elongation factor Tu/elongation factor Ts/elongation factor
G, characterization, comparison-*Escherichia coli* 5915.

endonuclease, isolation/characterization 5124.

exonuclease, purification/characterization 2172.

tRNA fMet, nucleotide sequence 171.

Thioacetamide,

effects on ribonuclease H activity, liver, rats 3887.

effects on RNA biosynthesis, hepatocytes, embryos, rats
6021.

effects on rRNA maturation, liver, rats 905.

- Thionyl chloride**,
interaction-uridine (6-aza) 85.
reaction-adenosine derivatives, mechanisms 5744.
- Thiopseudourea**,
effects on protein biosynthesis, liver, rats/Walker carcinoma
ribosomes 2402.
- Thiopyronine**,
photooxidation damage DNA, determination 3084.
photooxidation damage-DNA, models 3085.
photooxidation-DNA phage ϕ X174, sedimentation analysis
1568.
- Thiostrepton**,
antibiotic resistance, *Streptomyces coelicolor*, role rRNA
23S methylation-*Streptomyces azureus* methylase 5897.
resistant mutant, *Bacillus subtilis*, ribosomal proteins
alterations 6712.
- Thiourea**,
effects on DNA binding-dichlorodiammine platinum II 7099.
reaction-substituted pyrimidines complex-platinum, products
isolation/characterization 5725.
- Thyroid hormones**,
effects on growth hormone biosynthesis/mRNA
accumulation, pituitary, rats 6009.
- Thymidine**,
analogues, antiviral agents, herpes simplex virus 1 703.
combination-uracil (5-fluoro), treatment-colorectal
carcinoma 5269.
complex-metals, preparation 1838.
derivatives, diastereoisomers, conformational analysis, n.m.r.
6593.
effects on *Crepis capillaris* radiation (X)-induced
chromosome aberrations 5774.
effects on cytosine arabinoside sensitivity, tumours cells,
mice 3407.
effects on DNA biosynthesis/nucleoside triphosphates pools,
lymphoma/myeloma cells, mice 4434.
effects on N-methyl-N'-nitro-N-nitrosoguanidine
mutagenesis, Chinese hamsters cells 4645.
effects on uracil (5-fluoro) incorporation, rRNA 5766.
effects on uracil (5-fluoro)/uridine (5-fluoro-deoxy)
teratogenicity, mice 2910.
5'-O-glucopyranosides, synthesis 2328.
incorporation, dimethylnitrosamine-treated liver/kidney, rats,
inhibition-hydroxyurea 1088.
incorporation, DNA, brain, rats, electric shock, effects on
3179.
incorporation, DNA, DNA-suppressing factor, effects on
464.
incorporation, DNA polypyrimidine regions, radiation (u.v.),
human fibroblasts 437.
incorporation-*Rhizobium meliloti* DNA 7191.
isolation/identification, *Convallaria keiskei* flowers 1821.
labelled, combination-frog virus 3, effects on DNA damage,
KB cells 6599.
mutagenesis, Chinese hamsters cells 2918.
radioactive, incorporation-DNA, late labelling association-
hepatectomy, mice 448.
rescue, human bone marrow, following methotrexate
exposure 5294.
sensitivity, *Escherichia coli* strains 5289.
toxicity-human malignant lymphocytes T 5285.
transport, *Escherichia coli* 3406.
transport, mammalian cells 6606.
tritiated, incorporation-*Tradescantia bracteata* pollen grain/
spores 3830.
tritiated, utilization, lymph nodes cells, rats, comparison-
tritiated cytidine (deoxy) 5290.
- tritiated, utilization-human lymphocytes, comparison-
tritiated cytidine (deoxy) 5291.
uptake, *Escherichia coli* thy mutant 2336.
uptake, human bone marrow, anaemia (megablastic),
uridine (deoxy), effects on 1854.
uptake, rates, *Bombyx mori* silk gland, role-DNA
biosynthesis 713.
uptake, role-cell proliferation control 5295.
- Thymidine (5'-O-Benzyl)**,
photochemical oxidation 1837.
- Thymidine (deoxy)**,
detection-acids soluble fractions, embryos, chickens 5739.
- Thymidine (dideoxy)**,
use-detection-benzo(a)pyrene-induced DNA repair 1074.
- Thymidine (5',6'-Dihydroxydihydro)**,
production, DNA, heat pretreatment, cells, effects on 6999.
- Thymidine (O²-Ethyl)**,
formation, DNA, diethylnitrosamine treated liver, rats 5466.
- Thymidine (ribo)**,
role-tRNA temperature stability, n.m.r. 4680.
- Thymidine (5'-Sulphamino-5'-Deoxy)**,
synthesis 2321.
- Thymidine (trifluoro)**,
asialofetuin, effects on ectromelia virus DNA biosynthesis,
hepatocytes, mice 7111.
combination-interferon, treatment-herpes simplex virus
keratitis, man 5296.
- Thymidine (5'-O-Trityl)**,
photochemical oxidation 1837.
- Thymidine kinase**,
activity, bone marrow, rats, radiation (γ), effects on 536.
activity, herpes simplex virus 1 infected/transformed cell
lines, mice 6451.
activity, herpes simplex virus 2-infected human embryos
fibroblasts 6441.
activity, mammals cell lines, induction-herpesvirus (equine) 1
infection 1742.
activity, *Treponema pallidum*, DNA biosynthesis capacity
3913.
adipose tissue, rats, activity during postnatal growth 5174.
genes, herpes simplex virus 1, chromosomes-mediated
transfer, cell lines, mice 7290.
genes, herpes simplex virus 1, cloning-*Escherichia coli*,
recombinants plasmids characterization 7263.
herpes simplex virus 1-induced, inhibition/regulation-uridine
(trifluoromethyl-2'-deoxy), HEP-2 cells 1213.
phosphorylation-guanine (9-(2-hydroxyethoxymethyl)),
antiviral agents, herpes simplex virus 3922.
- Physarum polycephalum**, activity, growth temperature,
effects on 6442.
radiation (γ) effects on activity, bone marrow, rats 536.
3T3 cells, herpesvirus (equine)-induced, purification/
characterization 3923.
varicella-zoster virus-infected HF cells, purification/
properties 7383.
- Thymidine, 2-Oxoglutarate dioxygenase**,
activity, *Rhodotorula glutinis*, characterization 1237.
- Thymidine phosphorylase**,
activity, human skin fibroblasts/rabbits kidney cell culture
547.
- Thymidine-5'-Monophosphoric acid**,
reaction- β -propiolactone 2350.
- Thymidyl(3',5')-Cytidine (deoxy)**,
photochemistry 1379.
- Thymidyl(3',5')-Thymidine**,
alkylation-dimethyl sulphate/diethyl sulphate, catalysis-
tetrabutylammonium fluoride 2313.

- Thymine**,
base pair-adenine, DNA, electronic structure 1581.
complex formation-isoproterenol 6559.
derivatives, phosphate esters, synthesis 47.
derivatives, separation, use-chromatography (thin-layer) 39.
incorporation, *Escherichia coli*, characterization 1347.
incorporation-phage DNA during *Bacillus subtilis* transfection 6576.
interfacial behaviour, temperature effects 41.
reaction-phenyl 2,3-epoxypropyl ethers, hypolipidaemic agents, synthesis/properties 19.
reaction-sulphates 1813.
separation-nucleoside (deoxyribo), use-chromatography (high-performance liquid) 5740.
starvation, mutagenesis, *Escherichia coli*, relationship-DNA biosynthesis/protein biosynthesis 3177.
triallyl phosphate derivatives, synthesis 5730.
- Thymine (1,3-Dimethyl)**,
base stacking-uracil (1,3-dimethyl), mass spectroscopy 4617.
oxidation, α -diketone sensitization 1812.
- Thymine (1-(2,3-Dioxobutyl))**,
synthesis 2314.
- Thymine arabinoside**,
antiviral activity, mechanisms, herpes simplex virus infected cells 6607.
effects on growth, lymphoma cells, mice 4041.
effects on herpes simplex virus 1/herpes simplex virus 2 replication 4647.
effects on RNA polymerase/DNA polymerase in vitro 4042.
- Thymine dimers**,
formation, tyramine DNA photosensitization 3683.
induction-radiation (u.v.), sensitivity, relationship-cell cycle 6300.
- Thymine, 2-Oxoglutarate dioxygenase**,
activity, *Rhodotorula glutinis*, characterization 1237.
- Thymocytes**,
lectins-treated, DNA biosynthesis, interferon, effects on 2142.
mice, DNA biosynthesis, adenosine/adenine nucleotides, effects on 712.
mice, DNA biosynthesis/RNA biosynthesis/nucleotides metabolism 5019.
rats, exogenous DNA, effects on 5587.
RNA, occurrence-immunoglobulins heavy chains mRNA 3'-terminus homologous sequence 4760.
- Thymosin α 1**,
mRNA, calf thymus, translation-wheat germ cell-free system 4249.
- Thymus**,
chickens, DNA ligase multiple forms, during development 5645.
chromatin RNA polymerase, inhibition-transcortin hydrocortisone complex 7341.
pigs, poly(ADP-ribose) polymerase, purification/characterization 2816.
rats, DNA, cleavage-*Serratia marcescens* endonuclease 2183.
rats, DNA biosynthesis, thermolesions, effects on 2134.
- Thyroglobulin**,
high molecular weight peptides, biosynthesis in vitro, polyribosomes, thyroid, cattle 4736.
mRNA, content, thyroid cells, pigs, thyrotropin, effects on 6833.
- Thyroid**,
cattle, polyribosomes, high molecular weight thyroglobulin peptides biosynthesis in vitro 4736.
cattle, RNA biosynthesis, thyroid-stimulating hormone, effects on 904.
dogs, RNA biosynthesis, thyrotropin, effects on 6014.
genome sequence organization, relationship-chromatin transcription in vitro 3310.
human cells, mRNA, normal tissues/diseases, properties, comparison 6074.
- Thyroid hormones**,
deficiency, effects on RNA biosynthesis/histones acetylation, heart, rats 4204.
effects on poly (A) containing mRNA content/complexity, liver, rats 4794.
effects on RNA biosynthesis/protein biosynthesis, pituitary, rats 273.
induction-growth hormone mRNA, pituitary, rats 2507.
receptors, binding-chromatin subunits 611.
- Thyroid-stimulating hormone**,
 α subunit, mRNA, translation-cell-free system 1537.
effects on RNA biosynthesis, thyroid, cattle 904.
- Thyrotropin**,
effects on RNA biosynthesis, thyroid, dogs 6014.
effects on thyroglobulin mRNA content, thyroid cells, pigs 6833.
 α -subunit, mRNA, translation-frogs oocytes/cell-free system 3049.
 α -subunit/ β -subunit mRNA 9S, pituitary tumours, mice, separation/identification 6928.
- Thyroxine**,
effects on RNA biosynthesis, liver, chickens 5406.
induction-carbamyl phosphate synthetase I mRNA, liver, *Rana catesbeiana* 6917.
- Tiamulin**,
effects on protein biosynthesis initiation, bacteria 4118.
- Tick-borne encephalitis virus**,
DNA sequence, detection-infected cell culture 5442.
effects on DNA biosynthesis/chromosome aberrations, animal cells 4557.
genomes, integration-hosts DNA 2761.
RNA translation in vitro, comparison-encephalomyocarditis virus 3046.
- Tilligerry virus**,
RNA, characterization 865.
- Tinca tinca**,
oocytes, tRNA Phe, absence-Y base 5829.
- Tipula paludosa**,
baculovirus, DNA, characterization 7044.
- TMP**,
complex formation-pyrene 2923.
solutions, relaxation time 6619.
- dTMP**,
enriched DNA, production/expression, *Bacillus subtilis* phage SP15 1643.
uptake, *Saccharomyces cerevisiae* mutants 5789.
- 3'-TMP**,
alkylation-dimethyl sulphate/diethyl sulphate, catalysis-tetrabutylammonium fluoride 2313.
- dTMP kinase**,
activity, bone marrow, rats, radiation (γ), effects on 536.
activity, herpes simplex virus 1 infected/transformed cell lines, mice 6451.
radiation (γ) effects on activity, bone marrow, rats 536.
- TMP synthetase**,
activity, cerebellum, rats, relationship-DNA accumulation rates, hypothyroidism, effects on 5545.

TMP synthetase,(continued)

complex-UMP (5-fluorodeoxy), n.m.r. 1238.
Escherichia coli, UMP (2'-deoxy-2'-fluoro), substrate specificity 2821.
Escherichia coli /phage T2, inhibition-folate analogues, comparison 7398.
 human, interaction folate analogues 575.
 human leukaemia cells, purification/characterization 3931.
 inhibition mechanisms 576.
 inhibition-UMP(5-nitro-2'-deoxy) 2219.
Lactobacillus casei, inhibition-UMP (5(α -bromoacetyl)-2'-deoxy) 5648.
Lactobacillus casei, sulphhydryl groups modification, polyoxyanions, effects on 3280.
Lactobacillus casei, UMP (5-fluoro-2'-deoxy) dissociation, 5,10-methylenetetrahydrofolate, effects on 2220.
 purification, chromatography (affinity) 2820.
Tobacco etch virus,
 RNA, occurrence-poly (A) 3552.
Tobacco mosaic virus,
 coat protein, RNA encapsulation, characterization 2275.
 inhibition-RNA biosynthesis/protein biosynthesis, *Acetabularia* 4199.
 polyribosomes assembly, molecular models 6725.
 proteins, binding-oligonucleotides, RNA, yeasts 6541.
 proteins, interaction-poly (A, ϵ A), fluorescence 5310.
 proteins, interaction-poly (A, ϵ A)/poly (C, ϵ C) 1377.
 replication deficient temperature-sensitive mutant, single-stranded RNA biosynthesis 4198.
 ribonucleoproteins, complex-poly (C, ϵ C), energy transfer 5814.
 RNA, coat protein assembly, kinetics 7476.
 RNA, coat protein cistrons, location/encapsulation 4785.
 RNA, cytokinins activity 3367.
 RNA, encapsidation intermediates, infectivity 5423.
 RNA, high molecular weight polypeptides termination codons, identification 2462.
 RNA, incorporation during reassembly 3553.
 RNA, infection-*Nicotiana tabacum* protoplasts, methodology 2527.
 tRNA, methylation-*Escherichia coli* tRNA (uracil-5)-methyltransferase 2384.
 RNA, proteins, assembly 2274.
 RNA, 3'-terminus nucleotide sequence 4177.
 RNA, translation, multiple initiation sites 6065.
 RNA, translation-*Acetabularia* cytoplasm 2945.
 RNA, translation fidelity, spermidine, effects on 5431.
 RNA, translation in vitro, caps requirement 4242.
 RNA biosynthesis, ribavirin, effects on 3625.
 RNA disassembly intermediates, biological properties 1527.
 RNA polymerase (RNA-dependent) RNA biosynthesis, inhibition-cordycepin triphosphate 4492.
 RNA-proteins interaction, fluorescence/spin labelling 3990.
 mRNA 5'-terminus, binding-wheat germ ribosomes 6761.
 temperature-sensitive mutant, RNA biosynthesis 1964.
 uncoating-dimethyl sulfoxide 5680.
Tobacco necrosis virus,
 double-stranded RNA, isolation/characterization 6796.
Tobacco ringspot virus,
 infectivity, *Nicotiana glutinosa*, kinetin, effects on 5276.
 RNA, occurrence-associated proteins 6535.
 RNA, poly (A) content 5968.
Toluidine blue,
 binding-rRNA 28S/tRNA 18S/tRNA 1465.
Tomato black ring virus,
 occurrence-RNA 3 4144.
 RNA, poly (A) content 5968.

RNA 3, messenger properties 4854.

Tomato bushy stunt virus,

proteins-RNA interaction, neutron scattering 1302.
 RNA structure, X-ray crystallography 2463.

Tomato ringspot virus,

RNA, poly (A) content 5968.

Tomato white necrosis virus,

infection, *Lycopersicon esculentum*, inhibition-ribavirin 2697.

Tomayomycin,

induced DNA repair, *Saccharomyces cerevisiae*, mechanisms 3157.

Torenia fournieri,

DNA biosynthesis relationship-cell division, during buds formation 3195.

Tortula ruralis,

protein biosynthesis, temperature effects 1418.

Torula,

RNA, interaction-alkylating agents, n.m.r. 2981.

Toxins,

plasmid p307, *Escherichia coli*, toxins determinants, cloning 1119.

Toxocamycin,

CHO cells mutants, growth, effects on 3412.
 effects on Friend virus production, infected cells, mice 6597.
 effects on ribonucleoproteins assembly/processing, nucleoli, mammals cells 2422.
 effects on ribosomal proteins biosynthesis/assembly, L cells 6736.

effects on RNA biosynthesis/protein biosynthesis,

Dictyostelium discoideum 278.

Tradescantia bracteata,

pollen grain/spores, tritiated thymidine incorporation 3830.

Tradescantia paludosa,

RNA biosynthesis/protein biosynthesis, role-cell division 3041.

Transcortin,

complex-hydrocortisone, inhibition-RNA polymerase, chromatin, thymus 7341.

Transcription,

see also **RNA biosynthesis**

adenovirus (human) 2, 5,6-dichloro-1, β -D-ribofuranosylbenzimidazole, effects on 4211.

Bacillus subtilis, role-RNA polymerase sigma factor/delta factor 7339.

control, Marek's disease virus, induced tumours, chickens 4189.

errors, correction, role-nucleoside triphosphatase 4519.

Escherichia coli, role-DNA unwinding protein 2874.

eukaryotes, stimulation-glycerol/polyhydroxylic compounds 1175.

fidelity, purines/pyrimidines methylation, effects on 6814.

genomes, *Euglena gracilis* chloroplasts, during development 5413.

gerbils, experimental stroke, effects on 1995.

hormones, effects on, review 11.

human cell lines, stimulation-Epstein-Barr virus nuclear antigen 5419.

human embryo fibroblasts, in vitro, age, effects on 917.
 in vitro, L cells, sensitivity-ribosylchlorobenzimidazole/rifamycin inhibition 4826.

initiation, bacteria, inhibition-liparmycin 4485.

initiation, normal/phosphorylated nucleosomes, liver, rats 2491.

Marek's disease virus genomes, lymphoblastoid cell lines, chickens 3581.

nuclei, liver, rats, role-low molecular weight RNA 3002.

Transcription,(continued)

nuclei, *Nicotiana tabacum* tissues 5402.
 patterns, SV40 late RNA 2499.
 phage λ int gene 6818.
Pleurodeles waltlii oocytes, autoradiography 3574.
 progesterone-induced, oviduct, quails, age, effects on 4419.
 properties, *Tetrahymena pyriformis* nucleoli 1968.
 rates, assays 258.
 regulation, avian erythroid cells 4814.
 regulation, eukaryotes, role-attenuation, models 5400.
 RNA, herpes simplex virus 1, regulation 6819.
 rRNA gene, suppression, mice x human hybrids cells 4839.
 rotavirus (bovine) RNA, rabbits reticulocyte lysate 6822.
Strongylocentrotus purpuratus embryos, electron microscopy 4810.
 SV40 infected kidney cells, monkeys, cytosol, effects on 6005.
 SV40-infected monkeys cells, regulation models 6826.
 termination, adenovirus (human) 2 4805.
 termination control, review 5689.
 triamcinolone acetonide, effects on, role-cleft palate induction 5417.
 unit, adenovirus (human) 2, termination sites 5992.
 vesicular stomatitis virus, regulation-matrix protein 4212.
Xenopus oocytes nucleoli, in vitro 4815.
 yeasts RNA polymerase I, rate 3571.
Transferrin,
 serum, effects on DNA biosynthesis, liver, rats 7206.
Transformation,
Bacillus subtilis, genes recombination, role-DNA methylase 7268.
 DNA-mediated, *Neurospora crassa* 7275.
Escherichia coli, radiation (u.v.)-treated plasmids/phages double-stranded DNA 7242.
 induction, endonuclease-defective *Streptococcus pneumoniae* mutants 2163.
 lymphocytes, role-glycolysis 1141.
 oncornavirus, review 667.
Saccharomyces cerevisiae arg mutant, *Saccharomyces cerevisiae* arg gene containing ColEI 7247.
Spirillum lipoferum, role-DNA 4461.
Streptococcus pneumoniae, donors DNA size, effects on 5107.
Translation,
 see also **Protein biosynthesis**
 catalase mRNA, polyribosomes, liver, rats 6920.
 cell-free system, inhibition-reticulocytes rRNA 5S 2947.
 errors frequency, ATP/GTP regeneration, effects on 5857.
 fidelity, role-ribosomes, models 208.
 gerbils, experimental stroke, effects on 1995.
 hormones, effects on, review 11.
 inhibitors, ribosomes-bound, human lymphocytes, characterization 5902.
 inhibitors, wheat germ, purification/properties 5920.
 initiation sites, poliovirus 1 RNA 822.
 normal/adenovirus (human) 5-infected human cells/cell-free system, ionic strength, effects on 5338.
 poliovirus RNA, characterization-initiation products, cell-free system, HeLa cells 4132.
 re-initiation, sensitivity-GMP (7-methyl) analogues inhibition, reticulocyte lysate 831.
 regulation-interferon, review 2296.
 repressors, formation/activity, protein biosynthesis control-haemin, dithiothreitol, effects on, reticulocytes, rabbits 1422.
 repressors, haemin control-protein biosynthesis, reticulocytes, rabbits 1899.
 reticulocyte lysate, rabbits, haeme-controlled inhibitors, inhibition mechanisms 4748.

reticulocyte lysate cell-free system, inhibition-patulin 4125.
 mRNA, models, review 4581.

rotavirus (bovine) RNA, rabbits reticulocyte lysate 6822.

Translocation,

Escherichia coli ribosomes, assays, use-poly (U) column, magnesium, effects on 5351.

protein biosynthesis, yeasts, inhibition-hygromycin B, mechanisms 3501.

Transposons,

insertion-phage M13 DNA 2752.

kanamycin, insertion sites, plasmids ColEI, nucleotide sequence 3704.

kanamycin, *Streptomyces rimosus*, gene expression-*Escherichia coli* 5108.

kanamycin antibiotic resistance, transfer-*Rhizobium leguminosarum* 3851.

lactose, integration sites, R factor RP1 5592.

nomenclature, prokaryotes 6344.

transposon Tn 554, *Staphylococcus aureus*, transformation/transduction/restriction endonuclease analysis 6212.

transposon Tn10, analysis, use-lacI gene integration 5593.

transposon Tn10, antibiotic resistance, tetracycline, location-ribosomes binding sites 993.

transposon Tn10, induced inversions/deletion, phage λ , structure 4935.

transposon Tn10, insertion-phage λ , sequence analysis 4936.
 transposon Tn10, restriction endonuclease cleavage mapping 3095.

transposon Tn3, plasmids DNA integration sites, nucleotide sequence 4930.

transposon Tn3, translocation, plasmid pMC391, repressors genes, identification/characterization 7251.

transposon Tn9, integration-*Escherichia coli* lactose open, insertion sequence generation 5099.

Triadenosine diphosphate,
 conformation characteristics 5806.

Triallyl phosphate,
 uracil/thymine/cytosine/adenine/guanine derivatives, synthesis 5730.

Triamcinolone acetonide,
 effects on transcription, role-cleft palate induction 5417.

Triatoma infestans,
 nuclei, DNA content 2558.

sym-Triazine trichloride,
 use-RNA-ribosomal proteins cross-linking, *Escherichia coli* ribosomal subunits 3478.

Tributyltin,
 effects on DNA labelled thymidine incorporation, skin, rats 5555.

Trichoplusia ni,
 nuclear polyhedrosis virus DNA, restriction endonuclease mapping 6187.

Tridecanucleotides,
 complementary-phage fd, synthesis 734.

Trifluoroacetic acid,
 effects on cytosine/cytosine (5-alkyl) derivatives, amino groups, n.m.r. 5728.

Trifluoromethylphenyldimethylurea,
 effects on DNA base composition, plants 4916.

Trigonella foenum graecum,
 cotyledons, ribosomes, ribonuclease activity 493.

Triiodothyronine,
 stimulation-DNA polymerase α , myocardium cells, rats neonates 4508.

regulation-growth hormone biosynthesis/mRNA levels, pituitary cell lines, rats 3013.

- Trillium camschatiense***, heterochromatin, thymidine labelling, cold, effects on 3964.
- Trillium kamschaticum***, chromatin subunits structure 5665.
- Trimethyl phosphate**, alkylation-purines/pyrimidines/nucleosides/nucleotides 4613. reaction-adenosine/cytidine/guanosine/uridine 1829.
- Trinucleoside diphosphates**, configuration, aqueous solution, n.m.r. 738. synthesis 1864.
- Triostin A**, binding-adenine/guanine derivatives 673. binding-DNA, sequence specificity 333.
- Triostin C**, binding-DNA, sequence specificity 333.
- Tripeustes gratilla***, embryos, rRNA biosynthesis/processing 5994.
- Trisodium phosphonofomate**, antiviral agents, inhibition-DNA polymerase, herpes simplex virus 1/herpes simplex virus 2/pseudorabies virus/bovine rhinotracheitis virus 2796. effects on DNA biosynthesis, HeLa cells/lung cells 3186. inhibition-hepatitis B virus Dane particles-associated DNA polymerase 5150.
- Triticale***, genomes complexity, comparison-*Triticum durum* /*Secale cereale* 7104.
- Triticum***, see also **Wheat germ** anthers, RNA/DNA content, ethrel-induced sterility, effects on 3844. chromatin, RNA biosynthesis, temperature, effects on 6893. DNA, sequence organization 1059. embryos, early germination, protein biosynthesis, dependence-RNA biosynthesis 3473. embryos, polyribosomes, poly (A)-bound proteins, characterization 3491. histones composition, temperature effects 3300. ontogenesis, DNA biosynthesis/RNA biosynthesis 469. RNA biosynthesis, during maturation 1998. RNA polymerase II, interaction-plasmids templates 3257. seeds, DNA biosynthesis, use-nucleosides precursors, age, effects on 470.
- Triticum aestivum***, aleurone layer cells, α -amylase precursors, biosynthesis-mRNA dependent reticulocyte lysate cell-free system 5866. embryos, DNA biosynthesis/RNA biosynthesis/protein biosynthesis during development, proteins content, effects on 4843. embryos, early DNA biosynthesis, characterization 1633. embryos, mRNA, characterization 257. embryos, mRNA, translation activity during germination 4858. rRNA, base composition, light, effects on 1497. tRNA, distribution-cytokinins activity 5326. satellite DNA, denaturation/reassociation properties 416.
- Triticum durum***, genomes complexity, comparison-*Secale cereale* /*Triticale* 7104.
- Triticum vulgare***, embryos, RNA-binding protein, identification, role-translation 3338.
- Triton X-100**, effects on chloroplasts/nuclei DNA, plants 4369. effects on DNA polymerase (RNA-dependent) elongation-avian sarcoma virus genomes 5'-terminus complementary DNA 6436. effects on puromycin-mediated peptides release, ribosomes, liver, rats 6747.
- Tritrichomonas foetus***, DNA biosynthesis, inhibition-vermiculine 3156.
- Triturus***, lung cells, spindles, ribonucleoproteins distribution 3941. regenerating limbs, polyribosomes content, denervation, effects on 6722.
- Triturus cristatus***, cartilage cells, chromatin, structure/distribution, age, effects on 617. cartilage cells, chromatin structure/distribution, age, effects on 2255. DNA repetitive sequences 1045.
- Triturus cristatus carnifex***, chromosomes, hybridization-repetitive DNA 4554.
- Triturus vulgaris meridionalis***, chromosomes, rRNA gene location, methodology 3980.
- Trophoblastic tumours**, cell lines, human, cytotoxicity-N⁶-substituted adenosine analogues 6596.
- Trypanosoma brucei***, DNA polymerase, isolation/characterization 4500. variant specific surface antigen mRNA, purification/characterization 235.
- Trypanosoma cruzi***, DNA biosynthesis, inhibition-5-nitrofurantoin, mechanisms 4830. infected mice strains, treatment-DNA + ethidium bromide complex 6968. kinetoplasts, DNA, characterization 1038. kinetoplasts DNA, characterization-sedimentation analysis 4978.
- Trypanosoma equiperdum***, kinetoplasts DNA, characterization 4348.
- Tryptophan**, binding-tRNA (tryptophanyl) synthetase, pancreas, cattle 6693. codons, sequence, DNA, *Saccharomyces cerevisiae* mitochondria 7278. derivatives, interaction-uridine (5-bromo) 706. effects on radiation (u.v.) induced DNA strands breakage, mammalian cells 4910. effects on tRNA (tryptophanyl) synthetase activity 5854. effects on RNA biosynthesis, liver, rats 4833. effects on RNA polymerase, liver, rats 1719.
- Tryptophan oxygenase**, mRNA, activity, Morris hepatoma/HTC cells 3600.
- TTP**, use-leucocytes (eosinophilic) labeling, human cytoplasm 5790.
- dTTP**, biosynthesis, regulation, Novikoff hepatoma cells, uridine (5-fluorodeoxy)/uridine (6-deaza), effects on 717.
- TTP arabinoside**, effects on DNA polymerase, mice cells/oncornavirus 1733. mice cells/oncornavirus, TTP arabinoside/CTP arabinoside, effects on 1733.
- Tubercidin**, biological activity, leukaemia cells, mice 5282. CHO cells mutants, growth, effects on 3412. pentaammineruthenium complex, synthesis 75.
- Tubercidin (8-Aza)**, conformation, X-ray diffraction 709.

- Tubulin**, mRNA, *Chlamydomonas reinhardtii*, amiprofos methyl, effects on 2535.
- mRNA, *Strongylocentrotus purpuratus*, translation, deciliation, effects on 312.
- α -Tubulin**, brain, rats, mRNA translation, cell-free system 2009.
- mRNA, isolation-brain, embryos, chickens, characterization-translation products 1463.
- β -Tubulin**, brain, rats, mRNA translation, cell-free system 2009.
- mRNA, isolation-brain, embryos, chickens, characterization-translation products 1463.
- Tulipa kaufmanniana***, DNA transcription activity during differentiation, parenchyma cells 300.
- roots, DNA polymerase/RNA polymerase, activity during growth/differentiation 5151.
- Tumour cell lines**, lymphoid, methylation-*Herpesvirus saimiri* DNA 7112.
- rats, DNA biosynthesis, vitamin A, effects on 7184.
- Tumour cells**, alveolar, human, DNA biosynthesis/DNA repair, harman, effects on 5052.
- pituitary, rats, chromatin structure, glucocorticoids, effects on 7445.
- Tumour necrosis factor**, rabbits, stimulation-RNA biosynthesis, leukaemia cells, mice 6844.
- Tumours**, ascitic fluid, DNA, characterization 2674.
- bladder tumours, human, DNA biosynthesis/RNA biosynthesis, uracil (5-fluoro)/mitomycin C/cyclophosphamide, effects on 1110.
- DNA polymerase, inhibition-sesquiterpene lactones 1665.
- human, adenovirus (human) 4 DNA sequence analysis 5005.
- liver tumours, human, hepatitis B virus DNA detection 1544.
- ovary, DNA biosynthesis in vitro, steroid hormones, effects on 2106.
- plants, occurrence-Ti plasmid DNA 3207.
- rats, elongation factor 1 activity 4140.
- transformation, kidney/liver, rats, relationship-tRNA (arginyl) synthetase activity 4082.
- uracil (5-fluoro) sensitivity, assay 4025.
- Tupaia belangeri***, lymphosarcoma, herpesvirus DNA, restriction endonuclease EcoRI analysis 6183.
- Turnip rosette virus**, RNA, c.d. 874.
- Turnip yellow mosaic virus**, coat protein mRNA, nucleotide sequence 1482.
- genomes RNA, templates-reverse transcription, products characterization 7121.
- nucleoproteins, isolation/alkalinity, effects on 7414.
- RNA, complementary DNA, characterization 1601.
- RNA, translation studies 6913.
- RNA homology-eggplant mosaic virus/Andean potato latent virus 873.
- mRNA 5'-terminus, binding-wheat germ ribosomes 6761.
- Tween-80**, inhibition-phage I3 DNA injection 4436.
- Tyramine**, DNA photosensitization, thymine dimers formation 3683.
- Tyroxidine**, complex-DNA, characterization, dissociation-gramicidin D 1560.
- Tyrosine**, DNA photosensitization, thymine dimers formation 3683.
- Tyrosine aminotransferase**, biosynthesis in vitro, regulation-mRNA, hepatoma cells 2543.
- mRNA, activity, Morris hepatoma/HTC cells 3600.
- mRNA, hepatoma cells, translation-wheat germ cell-free system 2544.
- mRNA, levels, liver, rats, hydrocortisone, effects on 275.
- Tyrosine3-Monooxygenase**, induction-nerve growth factors, rats, role-RNA biosynthesis 4219.
- 3T3 cells**, cytomegalovirus gene expression, nonproductive infection 1980.
- DNA biosynthesis, inhibition-calcium deprivation, magnesium, effects on 465.
- DNA biosynthesis, stimulation-growth factors, colchicine/Colcemid/podophyllotoxin/vinblastine, effects on 7127.
- ducks cells DNA sequences transfer-Rous sarcoma virus 1140.
- extracts, DNA biosynthesis inhibition specificity 2736.
- herpesvirus (equine)-induced thymidine kinase, purification/characterization 3923.
- Moloney sarcoma virus transformed, revertants, loss-specific RNA nucleotide sequence 3209.
- ribosomal protein S6, phosphorylation during early G phase 6738.
- short DNA, characterization 1632.
- stimulation-plasma, effects on DNA biosynthesis/RNA biosynthesis 4432.
- SV40 transformed, chromatin, transcription/processing/structure 1268.
- SV40-transformed, single-stranded DNA, isolation/characterization 6253, 7058.
- synchronous culture, satellite DNA replication kinetics 5071.
- 3T6 cells**, mice, nuclei, polyoma virus DNA biosynthesis 6276.
- mutants, interferon-associated double-stranded RNA-dependent enzymes activity 577.
- mRNA biosynthesis/translation/turnover 267.
- S phase, DNA replication, regulation-ATP/ADP pools 5070.
- Ubiquitin**, identity-nonhistone proteins, *Salmo* testis 3306.
- UDP**, dipotassium salt, X-ray crystallography 5788.
- transport, axons, optic nerve, rats 5772.
- UDP-glucuronic acid**, effects on DNA conjugation-benzo(a)pyrene metabolites, microsomes 5461.
- Uganda S virus**, RNA biosynthesis, BHK-21 cells/*Aedes albopictus* 1947.
- Ultrasonication**, effects on calf thymus DNA molecular weight/conformation 5003.
- Ultrasound**, induced DNA repair, HeLa cells 7173.
- UMP**, 6-aminohexanol derivatives, synthesis, methodology 5305.
- conformation studies 1859.
- intracranial, rats, effects on learning/memory 729.
- radiation-induced phosphate radicals, e.s.r. 1858.

UMP, (continued)

reaction-hypochlorous acid 5300.

transport, axons, optic nerve, rats 5772.

dUMP,

incorporation, HeLa cells, accumulation-DNA fragments 728.

UMP (5(α -Bromoacetyl)-2'-Deoxy),

inhibition-*Lactobacillus casei* TMP synthetase 5648.

UMP (cyclic),

interaction-ribonuclease 1151.

UMP (2-Deoxy),

pools, Walker 256 carcinosarcoma, rats/leukaemia L1210, mice, uracil(5-fluoro), effects on 689.

UMP (2'-Deoxy-2'-Fluoro),

substrate specificity, TMP synthetase, *Escherichia coli* 2821.

UMP (5-Fluorodeoxy),

complex-TMP synthetase, n.m.r. 1238.

pools, Walker 256 carcinosarcoma, rats/leukaemia L1210, mice, uracil(5-fluoro), effects on 689.

UMP (5-Fluoro-2'-Deoxy),

dissociation-*Lactobacillus casei* TMP synthetase, 5,10-methylenetetrahydrofolate, effects on 2220.

UMP (5-Methylaminomethyl-2-Thio),

conformation, n.m.r. 5760.

UMP (5-Nitro-2'-Deoxy),

inhibition-TMP synthetase 2219.

Uracil,

+ guanine, role-RNA helix stability 6773.

5-alkylation, poly d(A-U), heat stability, effects on 5811.

alkylation dimethyl sulphate/diethyl sulphate, catalysis-tetrabutylammonium fluoride 2313.

binding-zinc 5724.

boron analogues, synthesis 44.

boron/silicon-substituted, synthesis/properties 6561.

complex formation-isoproterenol 6559.

complex-platinum II, binding sites, spectroscopy (u.v.)/spectroscopy (i.r.)/n.m.r. 681.

crystals, photochemistry, spectroscopy/kinetics 3371.

derivatives, deuterium exchange kinetics 46.

derivatives, effects on uracil (5-fluoro)/uracil(1-(2-tetrahydrofuryl)-5-fluoro) antitumour activity 5270.

derivatives, indole-5'-substituted, synthesis 3373.

derivatives, phosphate esters, synthesis 47.

derivatives, physical properties 16.

derivatives, reaction-bromine, mechanisms 5731.

effects on uracil (5-fluoro)/uridine (5-fluorodeoxy) teratogenicity, mice 2910.

exogenous, effects on pyrimidine nucleotides biosynthesis, *Escherichia coli* 1345.

hydrogen bonds-peptides, solution, n.m.r. 3372.

incorporation, adenovirus (human) 12 DNA replication 6270.

incorporation, DNA biosynthesis, man cells 1638.

incorporation/excision, DNA, *Escherichia coli* uridinetriphosphatase/uracil-DNA glycosylase mutants 4397.

interfacial behaviour, temperature effects 41.

methyl derivatives, mass spectroscopy 45.

mixtures-adenine/uracil (1,3-dimethyl), adsorption-mercury electrodes/solutions interface 4619.

oxyethylated derivatives, synthesis 20.

purification/identification, DNA, embryos, chickens 1048.

reaction-hypochlorous acid 684.

reaction-phenyl(2,3-epoxypropyl) ethers, hypolipidaemic agents, synthesis/properties 19.

reaction-sulphates 1813.

reaction-tryptophan derivatives 707.

5-substituted derivatives, reaction-2,3-dihydrofuran 4615.

substituted derivatives, spectroscopy (i.r.) 4616.

synthesis, role-aspartic acid derivatives 6563.

triallyl phosphate derivatives, synthesis 5730.

Uracil (5--acetyl),

synthesis-nucleosides/nucleotides derivatives 6567.

Uracil (6-Acetyl),

photolysis products, characterization 2311.

Uracil (5-Alkyl),

preparation 42.

Uracil (6-Alkylamino-5-Amino-1,3-Dimethyl),

uracil (6-azido-1,3-dimethyl) radiation products 2315.

Uracil (4-Alkylthio),

synthesis 2310.

Uracil (6-Amino-2-Thio),

structure, X-ray diffraction 48.

Uracil (6-Aza),

tricyclic aryl substituted, synthesis/anticoccidial activity 1342.

Uracil (6-Azido-1,3-Dimethyl),

radiation products, uracil (6-alkylamino-5-amino-1,3-dimethyl) 2315.

Uracil (1,3-Bis(tetrahydro-2-Furanyl)-5-Fluo,

synthesis/antitumour activity 1340.

Uracil (bromo),

substitution-DNA, *Allium cepa*, photosensitivity, effects on 4906.

Uracil (5-Bromo),

containing, DNA, phage T4, radiation (u.v.), effects on 6993. e.s.r. 683.

effects on *Escherichia coli* DNA base composition 5268.

induced damage, DNA repair, *Escherichia coli* mutants 5029.

substitution, lactose operon, effects on lactose operon-lactose repressor interaction 652.

Uracil (bromodeoxy),

distribution-DNA, embryo cells, rats, relationship-chromatin nucleoproteins organization 3958.

Uracil (6-Carbamoyl),

derivatives, hydrolysis/dealkylation 6568.

Uracil (5-Chloro),

derivatives, reaction-cysteine 88.

Uracil (6-Cyano),

derivatives, hydrolysis/dealkylation 6568.

Uracil (2,4-Dialkylthio),

synthesis 2310.

Uracil (5,6-Dicyano-1,3-Dimethyl),

synthesis 2906.

Uracil (dihydro),

radiation damage, radicals, e.s.r. 1343.

Uracil (1,3-Dimethyl),

association-4-pyridone, spectroscopy (i.r.) 4022.

base stacking-thymine (1,3-dimethyl), mass spectroscopy 4617.

copper complex, X-ray diffraction 43.

mixtures-uracil/adenine, adsorption-mercury electrodes/solutions interface 4619.

Uracil (1,5-Dimethyl),

interfacial behaviour, temperature effects 41.

Uracil (1,3-Dimethyl-4-Amino-5-Nitroso),

interaction-copper nitrate 6565, 6566.

reaction-copper nitrate 26.

Uracil (1-(2,3-Dioxobutyl)),

synthesis 2314.

Uracil (1-(2,3-Dioxobutyl)-3-Methyl),

synthesis 2314.

Uracil (1-(3,4-Dioxopentyl)),

synthesis 2314.

Uracil (2,4-Dithio),

interaction-titanium metallocenes, X-ray crystallography 6564.

Uracil (5-Ethynyl),

nucleosides, synthesis 1834.

Uracil (5-Fluoro),

analysis-chromatography (high-performance liquid) 40.

antitumour activity, uracil derivatives, effects on 5270.

chemotherapy activity, sarcoma, mice, potentiation-cytidine/guanosine combination 5737.

combination-thymidine, treatment-colorectal carcinoma 5269.

complex-glycyl-glycine + copper (II) + water, synthesis/characterization, e.s.r. 686.

effects on DNA biosynthesis/RNA biosynthesis, bladder tumours, human 1110.

effects on DNA biosynthesis/UMP(5-fluorodeoxy)/UMP(2-deoxy) pools, Walker 256 carcinosarcoma, rats/leukaemia L1210, mice 689.

effects on *Escherichia coli* tRNA bases modification 6661.

effects on nucleosides incorporation-DNA, embryos/maternal tissues, mice 4026.

effects on wounds healing, abdomen, rats 690.

incorporation, rRNA, thymidine, effects on 5766.

induction-toxicity, gastrointestinal tract, mice, mechanisms 6577.

metabolism-sensitive/resistant tumour cells 5267.

plasma, assays, chromatography (gas-liquid) 5732.

sensitivity, tumours, assay 4025.

synthesis 84.

teratogenicity, mice, uracil/thymidine, effects on 2910.

treatment experimental pancreatitis 4623.

Uracil (1-(5-nitrofurfuryl)-5-Halo),

derivatives, synthesis/antibacterial agents 1344.

Uracil (6-Hydrazino-1,3-Dimethyl),

use-nucleosides analogues synthesis 83.

Uracil (6-(p-Hydroxyphenylazo)),

effects on *Bacillus subtilis* sporulation 50.

effects on transduction, *Bacillus subtilis* 4027.

Uracil (6-Methyl),

complex-platinum II, binding sites, spectroscopy (u.v.) spectroscopy (i.r.)/n.m.r. 681.

Uracil nucleosides,

synthesis 84.

Uracil (1-(2-Tetrahydrofuryl)-5-Fluoro),

antitumour activity, uracil derivatives, effects on 5270.

Uracil (1-(tetrahydro-2-Furanyl)-5-Fluoro),

synthesis/antitumour activity 1340.

Uracil (3-(tetrahydro-2-Furanyl)-5-Fluoro),

synthesis 4618.

Uracil (thio),

modification-dimethyl selenoxide 682.

Uracil (2-Thio),

interaction-titanium metallocenes, X-ray crystallography 6564.

Uracil (4-Thio),

energy transfer, bases solutions 2312.

stimulation-*Escherichia coli* peptidyltransferase 4040.

Uracil arabinoside,

biological activity, lymphoma cells, mice 5775.

separation-uridine/uridine (deoxy), use-sugar-borate complexation 53.

5-substituted derivatives, synthesis/antiviral activity-herpes simplex virus 1 4635.

synthesis 6581.

Uracil-DNA glycosylase,

calf thymus, isolation/characterization 6453.

deaminated cytosine DNA repair, phage PBS1/phage SPO2 2221.

Escherichia coli, damaged DNA, guanine (7-methyl) release 7399.

induction during human lymphocytes stimulation 6452.

role-DNA repair, *Escherichia coli* 5175.

Urea,

induction-histone H1 binding-linkage DNA-lacking nucleosomes 3304.

Ureaplasma urealyticum,

DNA, base composition 2637.

Urethane,

effects on DNA sedimentation patterns, liver, rats/mice 3681.

Uricase,

biosynthesis, localization-free ribosomes, liver, rats 792.

Uridine,

catabolism, relationship-RNA labelling, mice, hepatectomy 2341.

complex-metals, preparation 1838.

complex-platinum II, binding sites, spectroscopy (u.v.) spectroscopy (i.r.)/n.m.r. 681.

derivatives, indole-5'-substituted, synthesis 3373.

effects on plasmid pBR322 DNA amplification-*Escherichia coli* 5085.

5-halo-5'-amino analogues, synthesis/antiviral activity 704.

incorporation-*Drosophila melanogaster* imaginal discs, ecdysterone, effects on 1972.

incorporation-RNA, 2',3'-Oadamantylphosphonate, tissues 5773.

metabolism, *Clostridium acerorum*, incorporation-RNA 714.

methyl derivatives, spectroscopy (Raman) 5757.

3'-phenylphosphonic acid esters, interaction-endonuclease, plants 73.

reaction-trimethyl phosphate 1829.

self-stacking, n.m.r. 93.

separation-uracil arabinoside/uridine (deoxy), use-sugar-borate complexation 53.

5-substituted, containing, oligonucleotides, physical properties/biological properties 146.

transport, axons, optic nerve, rats 5772.

transport, fibroblasts, stimulation-amphotericin B 2734.

tritiated, incorporation-thyroid RNA, potassium iodide, effects on 1850.

uridine (5-iododeoxy), fate 4046.

Uridine (5-Alkyl-2'-Deoxy),

isomers, separation, chromatography (high-performance liquid) 5742.

preparation 42.

Uridine (5-Allyl),

synthesis 1833.

Uridine (5-Allyl-2'-Deoxy),

synthesis 1833.

Uridine (3-(3-Amino-3-Carboxypropyl)),

chemical modification, effects on *Escherichia coli* tRNA Phe function 6664.

Uridine (3'-Amino-3'-Deoxy),

synthesis 4032.

Uridine (5'-O-(1-Aminoethane-1-Phosphonyl)),

synthesis 5745.

Uridine (6-Aza),

interaction-phosgene/thionylchloride 85.

Uridine (5'-Azido-5'-Deoxy),

derivatives, temperature effects 82.

Uridine (5-Bromo),

interaction-tryptophan derivatives 706.

Uridine (5-Bromo), (continued)

reaction-tryptophan derivatives 707.

Uridine (bromodeoxy),

+ dimethyl sulphoxide, treatment, Friend erythroleukaemia cells, effects on Friend leukaemia virus mRNA expression 6044.

induction-alkaline phosphatase, HeLa cells, role-DNA biosynthesis 5065.

substituted DNA, chromatin, CHO cells, radiation (u.v.) fractionation 5212.

Uridine (5-Bromodeoxy),

+ radiation (u.v.), effects on DNA biosynthesis, embryo cells, hamsters 7162.

+ radiation (u.v.), hamsters embryo cells DNA, induction-neoplastic transformation 960.

antibodies, characterization 4525.

containing, sister chromatids, Chinese hamsters cells, staining 632.

cytotoxicity, melanoma cells, hamsters, cytidine (deoxy), effects on 4049.

distribution, DNA, melanoma cells, hamsters, cytidine (deoxy), effects on 7095.

effects on AMP (cyclic) phosphodiesterase induction, 3T3-L cells 2342.

effects on amylase mRNA biosynthesis, pancreas, rats, development 903.

effects on developmental genetics, *Paracentrotus lividus* 2338.

effects on DNA biosynthesis, *Stylyonchya mytilus* 4043.

effects on gastrulation, *Paracentrotus lividus* 2339.

effects on host cell reactivation, radiation (u.v.)-treated herpes simplex virus 7133.

effects on RNA (heterogeneous nuclear), hepatoma cells 4798.

effects on rRNA biosynthesis, *Dictyostelium discoideum* 4208.

incorporation, Chinese hamsters cells DNA, role-sister chromatid exchange 4045.

incorporation-DNA, *Nicotiana tabacum* resistant cell lines 2340.

induced, dense double-stranded DNA, CHO cells, characterization/association-sister chromatid exchange 1631.

induced mutations, CHO cells, induction-guanine (6-thio)/ouabain resistance 1853.

induction-human syntenic genes segregation 108.

induction-prolactin biosynthesis, tumour cells, pituitary, rats, mechanisms 4649.

radiation (X), radicals formation/analysis 4636.

substituted, DNA, *Pisum sativum*, induction-phenylalanine ammonia-lyase/pisatin 6609.

substituted DNA, affinity-oestrogen receptor, uterus, rabbits 1801.

substituted regions, DNA, distribution, determination, methodology 3694.

substitution, *Physarum polycephalum* chromatin, effects on nuclease digestion 3966.

use-in vivo determination-DNA biosynthesis, methodology 419.

Uridine (5-Bromo-2'-Deoxy),

effects on mutagenesis, cells, hamsters 3408.

effects on RNA sequence complexity, neuroblastoma clones 2920.

photolysis, effects on N-methyl-N'-nitro-N-nitrosoguanidine induction-transformation, embryo cells, hamsters 3411.

reaction-cysteine derivatives 2329.

Uridine ((E)-5-(2-Bromovinyl)-2'-Deoxy),

antiviral activity, herpes simplex virus 1 6600.

Uridine (5-Carboxy-2'-Deoxy),

biological properties 715.

Uridine (5-Carboxymethylaminomethyl),

occurrence, *Bacillus subtilis* tRNA Gly 696.

Uridine (5-Cyano),

antiviral agents, vaccinia virus/herpes simplex virus/vesicular stomatitis virus 107.

synthesis 1841.

Uridine (6-Cyano),

synthesis 1841.

Uridine (5-Cyano-2'-Deoxy),

antiviral agents, vaccinia virus/herpes simplex virus/vesicular stomatitis virus 107.

Uridine (6,5'-N-Cyclo),

synthesis 1840.

Uridine (6,5'-S-Cyclo),

synthesis 1840.

Uridine (O⁶,5'-Cyclo-5,6-Dihydro-2'-Deoxy),

uridine (deoxy) radiation products, characterization 2332.

Uridine (3-Deaza),

pharmacokinetics, man 3400.

Uridine (6-Deaza),

effects on dTTP biosynthesis regulation, Novikoff hepatoma cells 717.

Uridine (3-Deaza-6-Aza),

conformation 100.

Uridine (deoxy),

detection-acids soluble fractions, embryos, chickens 5739.

effects on thymidine uptake/dinucleoside triphosphates concentration, bone marrow, human anaemia (megaloblastic) 1854.

radiation products, uridine (O⁶,5'-cyclo-5,6-dihydro-2'-deoxy), characterization 2332.

separation-uridine/uracil arabinoside, use-sugar-borate complexation 53.

Uridine (2'-Deoxy),

boron/silicon-substituted, synthesis/properties 6561.

5-polyfluoroalkyl/5-polyfluoroalkoxymethyl derivatives, synthesis 2330.

Uridine (3-Deoxy),

synthesis 705.

Uridine (2'-Deoxypseudo),

synthesis 86, 89.

Uridine (3'-Deoxypseudo),

synthesis 89.

Uridine (2',5'-Dideoxy-5-Fluoro),

derivatives, synthesis 5753.

analogues, synthesis, antitumour agents 3391.

Uridine (5-Dimethylamino),

X-ray crystallography 5759.

Uridine (5-Ethyl-2'-Deoxy),

effects on cyclophosphamide treatment-leukaemia L5222 4648.

treatment-herpes simplex virus encephalitis, mice 3410.

Uridine (5-Ethynyl-2'-Deoxy),

structure, X-ray diffraction 102.

Uridine (5-Fluoro),

effects on *Xenopus laevis* rRNA gene transcription unit ultrastructure 4044.

induction-toxicity, gastrointestinal tract, mice, mechanisms 6577.

Uridine (5-Fluoro), (continued)

substitution, *Escherichia coli* tRNA, effects on protein biosynthesis activity 762.
uptake, hepatoma cells, relationship-UTP levels 4047.

Uridine (5-Fluoro-2'-Deoxy),

drug resistance, *Pedilococcus cerevisiae*, mechanisms 2343.
effects on *Crepis capillaris* radiation (X)-induced chromosome aberrations 5774.
induction-toxicity, gastrointestinal tract, mice, mechanisms 6577.

Uridine (5-Fluorodeoxy),

effects on ageing, *Caenorhabditis elegans* 4048.
effects on chloroplasts genes mutations, *Chlamydomonas* 4650.
effects on nucleoli dispersion during mitosis 109.
effects on dTTP biosynthesis regulation, Novikoff hepatoma cells 717.
induction-mutation, CHO cells 5297.
teratogenicity, mice, uracil/thymidine, effects on 2910.

Uridine (5-Formyl-2'-Deoxy),

oxime, rearrangement 87.

Uridine (5-Halo),

interaction-sodium bisulphite, n.m.r. 4031.

Uridine (halodeoxy),

substituted-DNA, Syrian hamsters cells, actinomycin D binding enhancement 5522.

Uridine (5-Hydroxymethyldeoxy),

thymidine radiation (ionizing) products, assays, use-DNA damage detection 1350.

Uridine (5-Iodo-5'-Amino-2',5'-Dideoxy),

effects on Epstein-Barr virus expression/transformation 4641.

Uridine (5-Iododeoxy),

antibodies, characterization 4525.
effects on DNA transcription, embryos cell lines, mice 6878.
induction-C-type virus, embryo cells, human lung 2919.

Uridine (5'-Iodo-2'-Deoxy),

chromatography (high-pressure liquid) 710.
effects on herpes simplex virus 1 infection, mice 1846.
herpes simplex virus infection/herpes zoster, treatment 1362.
herpes simplex virus 1 keratitis treatment, rabbits 3409.
inhibition-vaccinia virus/monkeypox virus, lung cells, rabbits 1852.

reaction-cysteine derivatives 2329.

treatment, induction-Epstein-Barr virus early antigen, lymphoblastoid cell lines 716.

treatment-herpes simplex virus keratitis, human 1363.
treatment-human herpes zoster infection 6608.

Uridine (2',3'-O-Isopropylidene-O²,5'->cyclo),

cleavage, use-Lewis acid/proton acid 1839.

Uridine (5-Methoxycarbonylmethyl-2-Thio),

conformation, n.m.r. 5760.

Uridine (5'-C-Methyl),

synthesis, methodology 5752.

Uridine (5-Methylaminomethyl-2-Thio),

conformation, n.m.r. 5760.

Uridine (5-(1-Propenyl)-2'-Deoxy),

synthesis 1833.

Uridine (5-Propyl),

synthesis 1833.

Uridine (5-Propyl-2'-Deoxy),

synthesis 1833.

Uridine (pseudo),

containing, tRNA (aminoacyl), *Salmonella typhimurium* hisT mutant, role-regulation 5836.
modified, synthesis 6586.
synthesis 5273.

Uridine (4-Thio),

incorporation, BHK cells, use-RNA isolation, chromatography (affinity) 4156.

Uridine (2-Thiol-5-Methylamino),

structure, X-ray crystallography 3395.

Uridine (2-Thio-5-Methylamino),

structure, X-ray crystallography 2914.

Uridine (2-Thio-5-Methylcarboxymethyl),

structure 1359.

Uridine (2-Thiopseudo),

modified, synthesis 4634.

Uridine (trifluoro),

inhibition-adenovirus (human) 8/adenovirus (human) 13/adenovirus (human) 19 replication 2695.
treatment-herpes simplex virus keratitis 2337.

Uridine (trifluoromethyl-2'-Deoxy),

inhibition/regulation-herpes simplex virus 1-induced thymidine kinase, HEp-2 cells 1213.

Uridine O²,4'-Anhydro nucleoside,

synthesis 6587.

Uridine 4',5'-Enamine,

synthesis 1357.

Uridine phosphorylase,

activity, human skin fibroblasts/rabbits kidney cell culture 547.

Uridine-5'-O-Methylphosphate-methanol,

sodium derivatives, structure, X-ray diffraction 101.

Uridine-5'-Phosphoric acid,

yeasts RNA, spectroscopy (Raman) 6594.

Uridyl (-3,5'-) adenylyl O,O-phosphorothioate,

synthesis 132.

Uridyl-3'(5')-Adenosine,

fluorine analogues, complex-ribonuclease S, X-ray crystallography 1158.

hydrolysis-ribonuclease, models 3221.

phosphorothioate derivatives, synthesis 4663.

Uridyl-5'(N)-Amino acids,

synthesis 125.

Uridyl-5'(N)-Peptides,

synthesis 125.

Urinary bladder,

epithelium, mice, DNA biosynthesis, cyclophosphamide, effects on 2726.

Uromastix hardwickii,

liver, ribonuclease I, purification/characterization 2174.

Uromyces phaseoli,

DNA polymerase, purification/characterization 4497, 4498.

Ustilago maydis,

DNA-binding protein, purification/characterization 4560.
nuclease activity, association-viruses-induced killer factor 7298.

Ustilago sphaerogena,

ribonuclease U₂, chemical modification 6394.

UTP,

levels, hepatoma cells, relationship-uridine (5-fluoro) uptake 4047.

mercurated, use-RNA characterization, oviduct nuclei, use 403.

mercury-containing, use-RNA biosynthesis assays, in vitro nuclei 282.

self-stacking, n.m.r. 93.

UTP.(continued)

substrates-*Escherichia coli* RNA polymerase 3418.

transport, axons, optic nerve, rats 5772.

V-79 cells,

caffeine/adenine treated, DNA biosynthesis, radiation (X), effects on 2118.

Chinese hamsters, pyrimidine dimers formation, relationship-cell death 3165.

DNA biosynthesis, radiation (X), effects on 7179.

N methyl-N-nitrosourea-treated, DNA repair 7178.

***Vaccaria pyramidata*,**

seeds, DNA biosynthesis/RNA biosynthesis/protein biosynthesis regulation 6333.

Vaccinia virus,

antiviral agents, pyrimidines derivatives 1346.

DNA, characterization/molecular weight determination 1016.

DNA, cross-linking during replication 5023.

DNA, length heterogeneity, cloning, effects on 2636.

DNA, restriction endonuclease fragments, electrophoresis 1014.

DNA, structure, inverted terminal repetition, electron microscopy 1017.

DNA, termini inverted repeats 1015.

DNA, transcription in vivo 6827.

DNA polymerase, templates secondary structure, effects on 7368.

DNA replication, monkeys cells, nuclei inactivation, effects on 5022.

DNA replication, muscle cells, embryos, chickens 1649.

DNA transcription, characterization 898.

early RNA biosynthesis, inhibition-zinc 2513.

guanylyltransferase, activity, characterization 568.

guanylyltransferase mRNA, purification 567.

high molecular weight RNA, translation-cell-free system 2006.

induced DNA polymerase, HeLa cells, purification/properties 7367.

infected cells, RNA, translation in vitro 6909.

infected HeLa cells, phosphorylated ribosomal proteins, identification/characterization 4101.

infected L cells, ATP-independent DNA biosynthesis 1648.

infection, HeLa cells, DNA biosynthesis induction, characterization 3108.

infection, host range restriction, CHO cells, relationship-protein biosynthesis shut-off 2398.

infection, human eye, treatment-adenine arabinoside 4643.

5'-phosphate-polyribonucleotide kinase, isolation/reaction mechanisms 1210.

poly (A)-containing RNA, heteroduplex structure 4780.

replication, HeLa cells, 2-mercapto-1-(β -4-pyridethyl) benzimidazole, effects on 3804.

replication, inhibition-uridine (5'-iodo-2'-deoxy), lung cells, rabbits 1852.

replication, requirement-hosts cells nuclei 3805.

mRNA (guanine-7'-methyltransferase/mRNA (nucleoside-2'-)-methyltransferase, inhibition-sinefungin 2218.

mRNA, isolation, methodology, use-gene mapping 6769.

mRNA, methylated caps structures, chromatography (thin layer) 866.

mRNA, methylation, interferon treated chickens cells 3548.

mRNA (nucleoside-2'-)-methyltransferase, characterization/substrate specificity 1989.

mRNA (nucleoside-2'-)-methyltransferase, purification/properties 1988.

RNA biosynthesis, nuclei/cytoplasm, infected HeLa cells, comparison 4818.

RNA polymerase II, role-late transcription 7356.

mRNA translation, isatin- β -thiosemicarbazone, effects on 6703.

uridine (5-cyano)/uridine (5-cyano-2'-deoxy), antiviral agents 107.

Vagus,

denervation, effects on DNA biosynthesis, fundic mucosa, dogs 430.

***Vandeleuria oleracea*,**

C-type virus, isolation, DNA characterization 4324.

Varicella,

human, treatment-cytosine arabinoside 1361.

Varicella-zoster virus,

infected HF cells, thymidine kinase, purification/properties 7383.

Variola virus,

DNA, restriction endonuclease fragments, electrophoresis 1014.

Vasectomy,

effects on DNA polymerase activity, human seminal fluid 4499.

Venezuelan equine encephalitis virus,

antiviral agents, poly (I-C)/poly (G-C) 3438.

Venezuelan equine encephalomyelitis virus,

infection, monkeys, poly (I.C.)-poly-L-lysine complex, effects on 6652.

RNA, fingerprinting analysis 5381.

Vermiculine,

inhibition-DNA biosynthesis, *Tritrichomonas foetus* 3156.

Vero cells,

base Y-lacking tRNA Phe biosynthesis, methionine starvation 175.

detection-double-stranded RNA, immunofluorescence 229.

herpes simplex virus-infected, protein biosynthesis suppression 785.

herpes simplex virus 1/adenovirus (human) 5-infected, adeno-associated virus DNA replication complex, characterization 7108.

interaction-polynucleotides, e.s.r. 156.

tRNA Phe, Y base, lysine incorporation 4679.

Vesicular exanthema virus,

RNA, associated proteins, characterization 1799.

RNA, structure/replication 2461.

Vesicular stomatitis virus,

+ defective-interfering particles, infected BHK cells, RNA biosynthesis 6828.

associated RNA polymerase (RNA-dependent), inhibition, reversal-polyanions 528.

defective-interfering particles + RNA polymerase products, RNA, nucleotide sequence 868.

defective-interfering particles, RNA, nucleotide sequence 1478.

defective-interfering particles, RNA replication, nucleocapsids 3584.

genes, oligonucleotides fingerprinting 4173.

genomes RNA, structural protein/mRNA genes, mapping 6792.

genomes RNA, 3'-terminus nucleotide sequence 6793.

host-restricted mutant, infected human nonpermissive cells, RNA biosynthesis 5404.

infected cells, mRNA degradation-interferon, mechanism 2013.

infected HeLa cells, extracts, RNA biosynthesis in vitro 6007.

infected HeLa cells, tRNA (peptidyl), isolation 6657.

infected HeLa cells/BHK cells, RNA biosynthesis 6006.

Vesicular stomatitis virus,(continued)

infected myeloma cells, mice, RNA polymerase activity 6411.
inhibition-DNA polymerase (RNA-dependent), in vitro, role-membrane proteins 3268.

leader RNA, nucleotide sequence 867, 1943.

matrix protein, transcription regulation 4212.

protein N mRNA, 3'-terminus nucleotide sequence 1944.

radiation (u.v.)-treated, inhibition-RNA biosynthesis, myeloma cells, mice 6045.

ribonucleoproteins complex, characterization 7413.

mRNA, decay during CHO cells infection 4781.

RNA, poly(A) sequences 1945.

RNA, 5'-terminus nucleotide sequence 6794.

RNA biosynthesis, inhibition-frog virus 3, BHK cells, mechanisms 1509.

RNA biosynthesis initiation in vitro, role-ATP 4195.

RNA biosynthesis/protein biosynthesis, human/monkeys cells, interferon, effects on 3008.

mRNA methylation, cycloleucine inhibition, effects on transcription/translation 4194.

RNA polymerase (RNA-dependent), inhibition-envelopes proteins 7328.

RNA polymerase (RNA-dependent) L protein/NS protein, binding-nucleocapsids 527.

RNA/mRNA, cleavage-ribonuclease III 4253.

mRNA translation, role-guanosine (7-methyl) caps 3638.

temperature-sensitive mutant, RNA biosynthesis 2500.

temperature-sensitive mutation, effects on RNA polymerase (RNA-dependent) activity 5630.

5'-terminus guanosine (7-methyl)-lacking mRNA, translation, stimulation-initiation factors, reticulocytes, rabbits 4133.

transcription, role-myeloma cells RNA biosynthesis 4819.

uridine (5-cyano)/uridine (5-cyano-2'-deoxy), antiviral agents 107.

Vespa orientalis,

venoms, deoxyribonuclease activity, effects on bees/cats/mice 1161.

Vibrio (NAG),

DNA biosynthesis/RNA biosynthesis/protein biosynthesis, tetracycline + sodium deoxycholate, effects on 6320.

Vicia,

rRNA 18S/rRNA 25S, homology-*Allium cepa* 4803.

Vicia faba,

chromatin subunits structure 5665.

cotyledons, RNA metabolism/membrane-bound

polyribosomes, relationship-globulin biosynthesis 6894.

DNA, restriction endonuclease analysis 6261.

DNA repair, single-stranded breakage 4410.

poly(A)-containing RNA, fractionation 2979.

ribonucleotide reductase/DNA polymerase, characterization 4523.

rRNA 5S genes, organization 3139.

root-tip cells, G phase, chromosome aberrations formation, mechanisms 3327.

Vigna unguiculata,

resistant, cowpea chlorotic mottle virus replication/properties 4820.

RNA polymerase (RNA-dependent), characterization 3902.

Vinblastine,

effects on growth factors stimulation-DNA biosynthesis, 3T3 cells 7127.

Vinca rosea,

alkaloids, properties, review 3352.

Vinyl bromide,

metabolites, alkylation-RNA, microsomes, liver, rats 4768.

Vinyl chloride,

interaction-DNA, liver, rats 4279.

Violamycin,

interaction-DNA, spectroscopy 5455.

Viomycin,

antibiotic resistance, *Mycobacterium smegmatis* ribosomes, localization-rRNA 2961.

binding-Mycobacterium smegmatis ribosomal subunits, antibiotic resistance 5896.

Virginiamycin M,

in vitro binding-ribosomes/ribosomal subunits, bacteria 2956.

Virginiamycin S,

in vitro binding-ribosomes/ribosomal subunits, bacteria 2955.

Virus-like particles,

Pyricularia oryzae, RNA, isolation/characterization 4174.

Viruses,

DNA biosynthesis, bacteria permeabilized cells 1069.

DNA/RNA, photoinactivation-chlorpromazine 4283.

infection/replication, lymphocytes, role-mitogens induced DNA biosynthesis 4430.

related, DNA, detection-human leukaemia cells 6943.

RNA, detection-hybridization 2973.

mRNA, translation, caps analogues, effects on 3636.

RNA, translation-*Escherichia coli* cell-free system, calcium, effects on 4855.

RNA biosynthesis/RNA polymerase, use-amanitins, review 1309.

mRNA translation, inhibition-interferon 2292.

Viscum album,

cortical strands, DNA biosynthesis 2101.

Visna virus,

DNA biosynthesis/structure 4392.

DNA polymerase (RNA-dependent), multiple forms, characterization 5160.

replication-choroid plexus cells, sheep, inhibition-phosphonoformate 7122.

mRNA, characterization 5964.

RNA, nucleotide sequence 869.

Visnagin,

induced damage, *Chlamydomonas reinhardtii*, DNA repair 3159.

Vitamin A,

action, bones, cell culture, rats, dependence-RNA biosynthesis/protein biosynthesis 911.

deficiency, effects on RNA biosynthesis, nuclei, liver, rats 3034.

deficiency, rats, effects on protein biosynthesis, skeletal muscle 190.

deficiency, rats, effects on RNA/proteins turnover, liver 289.

effects on DNA biosynthesis, tumour cell lines, rats 7184.

Vitamin B12, role-nucleosides incorporation-*Periplaneta americana* DNA 6324.

Vitamin B12a,

interaction-guanine (8-aza)/purine (6-mercapto), kinetics/thermodynamics 1805.

Vitamin D3,

effects on DNA content, calvaria, rats 4261.

Vitellogenin,

biosynthesis, *Platichthys flesus*, 17β -oestradiol, effects on 6280.

Drosophila melanogaster, biosynthesis in vivo/organ culture/cell-free system 4095.

genes, *Xenopus laevis*, cloning/characterization 5113.

induction, tRNA Ser biosynthesis, liver, roosters 3445.

mRNA, accumulation, induction- 17β -oestradiol, *Xenopus* liver, in vitro 3587.

Vitellogenin,(continued)

- mRNA, liver, chickens, precursors identification 2469.
 mRNA, liver, chickens, translation-wheat germ/reticulocyte lysate cell-free system, competition-caps analogues 5434.
 mRNA, liver, chickens/ducks, purification 843.
 mRNA, *Xenopus laevis*, complementary cloned DNA, characterization 4361.
 mRNA, *Xenopus laevis*, translation during primary/secondary induction 1533.
 sequences, transcription, chromatin, liver, chickens, oestrogen, effects on 272.

***Volvox carteri*,**

- DNA content during growth/cell division 7195.

Walker carcinosarcoma,

- tRNA nucleotide sequence, comparison-liver, rats 3454.

Wallal virus,

- recombination-Mudjinbarry virus, RNA, characterization 1946.

West Nile virus,

- RNA, translation in vitro, products identification 6910.
 RNA biosynthesis, BHK-21 cells/*Aedes albopictus* 1947.

Western equine encephalitis virus,

- infection-BHK cells, DNA polymerase inhibition mechanisms 4503.
 replication, embryo cells, chickens, cycloheximide, effects on 3009.
 RNA, photoinactivation-psoralen derivatives 345.

Wheat germ,**see also *Triticum***

- adenosine phosphorylase, cytokinins metabolism 5163.
 DNA polymerase I/DNA polymerase II/DNA polymerase III, purification/characterization 6425.
 DNA polymerase I/DNA polymerase II/DNA polymerase III activity, changes during germination 6427.
 dried/during germination, mRNA translation-cell-free system, products analysis, comparison 6931.
 elongation factor 1, age, effects on 2433.
 initiation factors, purification 4141.
 occurrence-tRNA (arginyl) synthetase/tRNA (leucyl) synthetase/tRNA (methionyl) synthetase/tRNA (phenylalanyl) synthetase complex 5332.
 protein biosynthesis cell-free system, characterization 1415.
 protein biosynthesis cell-free system, translation conditions 796.
 ribosomes, aggregation-concanavalin A, occurrence-glycoproteins 1909.
 ribosomes, binding-mRNA 5'-terminus, tobacco mosaic virus/turnip yellow mosaic virus 6761.
 ribosomes, γ -carboxyglutamic acid occurrence 1903.
 ribosomes, dissociation factor, characterization 1911.
 ribosomes mRNA translation, ricin, effects on 5905.
 tRNA (aminoacyl), codon recognition 178.
 tRNA, aminoacylation/interaction-elongation factor Tu, specificity 2941.
 tRNA Phe nucleotide sequence, light, effects on 6673.
 RNA polymerase II, interaction-adenovirus (human) 2 DNA 7352.
 RNA polymerase II, interaction-SV40 double-stranded DNA, comparison-calf thymus 7353.
 translation inhibitors, purification/properties 5920.
- WI-38 cells,**
 tRNA methyltransferase activity, proliferation stimulation, effects on 4690.

Woolly monkey virus,

- RNA mapping, location-non homologous sequence 3549.

X-ray crystallography,

- adenine + benzyl chloroformate reaction products, structure 3364.
 adeninium phosphate 5778.
 adenosine (2-aza) 5755.
 adenosine (8,2'-cyclo) 5756.
 adenosine (2',3'-O-isopropylidene) structure 96.
 adenosine-5'-O-methylphosphate structure 2345.
 adenyllyl-(3',5')-adenosine phosphate-proflavine complex structure 1380.
 AMP (8,2'-S-cyclo-5') 5779.
 AMP (8-methyl) 4054.
 ATP structure 2346.
 CDP (2,2'-cyclo-3',5') 5787.
 cytidine (N⁴-acetyl) structure 1845.
 cytidyllyl-(3',5')-guanosine complex-acridine orange, structure 6640.
 cytosine (1-methyl-N⁴-hydroxy) hydrochloride structure 5264.
 cytosine (1-methyl) hemihydroiodide hemihydrate structure, poly (C), models 36.
 cytosine-cytosinium hemitetrachlorozincate complex 5734.
 dicytosinium tetrachlorocuprate 5727.
 DNA B-form, caesium cations location 6953.
 DNA B-form structure, poly d(A.T) models 7008.
 DNA condensed from ethanol solutions 4925.
 DNA helix parameters 6123.
 DNA secondary structure 2597.
 DNA-spermine interaction 359.
 DNA synthetic oligonucleotides 4064.
Escherichia coli, elongation factor Tu-GDP complex 217.
Escherichia coli tRNA fMet/tRNA Arg structure 1394.
Escherichia coli elongation factor Tu-GDP complex 2967.
Escherichia coli ribosomal protein S1/ribosomal protein S8/ribosomal protein S15/ribosomal protein S16/ribosomal protein S20 1424.
Escherichia coli tRNA Leu 4077.
 guanine (9-methyliso) structure 23.
 guanosine (2',3',5'-tri-O-acetyl) 6-O-mesitylene sulphonyl derivatives structure 98.
 guanosine (2-N-methyl) structure 97.
 histones fibres 3302.
 IMP-copper complex, structure 5785.
 inosine-platinum diethylenetriamine (II) structure 2331.
 oligo d(A-T) structure 151.
 phage T2 DNA, lithium salt/magnesium salt, structure 1602.
 polyribosomes structure, liver, rats 3485.
 purine (6-amino-3-dimethylallyl) structure 671.
 purine (9-methyl)-copper sulphate complex 5721.
 pyrimidine (2,4-diamino-5-(3',4'-dimethoxybenz) structure 676.
 restriction endonuclease EcoRI 1170.
 ribonuclease S complex-uridylyl-(3'-5')-adenosine fluorine analogues 1158.
 ribosomal protein S4-RNA 16S complex, *Escherichia coli* 805.
 salmon sperm DNA interaction-sperm 398.
Staphylococcus aureus nuclease, review 5259.
 tetranucleotides structure 1381.
 tomato bushy stunt virus RNA structure 2463.
 tubercidin (8-aza) conformation 709.
 UDP dipotassium salt 5788.

X-ray crystallography (continued)

uracil (2,4-dithio)/uracil (2-thio)/pyrimidine (4,6-dithio)/pyrimidine (4,6-dihydroxy) interaction-titanium metallocenes 6564.

uracil (1,3-dimethyl) copper complex 43.

uracil (6-amino-2-thio) structure 48.

uridine 5759.

uridine (2-thiol-5-methylamino) structure 3395.

uridine (5-ethynyl-2'-deoxy) structure 102.

uridine (2-thio-5-methylamino) structure 2914.

uridine-5'-O-methylphosphate-methanol sodium derivatives structure 101.

yeasts tRNA fMet 4079.

yeasts tRNA Phe structure 756, 757, 758.

Xanthosine, nitrosoare derivatives, synthesis/antitumour activity 5763.

Xanthotoxin, induced damage, *Chlamydomonas reinhardtii*, DNA repair 3159.

Xanthyletine, photochemical interaction-DNA 4892.

XC cells, detection-DNA polymerase (RNA-dependent), methodology 4513.

Xenopus, erythroid cells maturation, RNA polymerase activity 1176.

liver, in vitro, vitellogenin mRNA accumulation, induction-17 β -oestradiol 3587.

oocytes, DNA, transcription-RNA polymerase III, fidelity-human/mice/amphibians, cells 7358.

oocytes, DNA 5S transcription 4813.

oocytes nucleoli, transcription, in vitro 4815.

rRNA 5S genes, tandem repeats, lethal mutation, corrections mechanisms 3126.

rRNA 5S genes, transcription-*Xenopus laevis* RNA polymerase III 3901.

Xenopus borealis, oocytes, DNA 5S, nucleotide sequence 3127.

Xenopus laevis, cells, rRNA genes, spacer sequence transcription 6872.

chromatin, rRNA 5S genes structure 7434.

deletion mutant, rRNA 5S genes, analysis 4466.

DNA regions, tRNA Met coding, identification 6372.

DNA repetitive sequences 1045.

embryos, poly (A)-containing RNA biosynthesis 1504.

embryos, poly (ADP-ribose) biosynthesis, in vitro chains elongation 1389.

extract, transcription-RNA 5S, genes 1522.

germinal vesicle extracts, transcription-*Schizosaccharomyces pombe* /*Drosophila melanogaster* tRNA genes 749.

kidney cells, rRNA biosynthesis rates, relationship-nucleoli content 268.

lampbrush oocytes, RNA (heterogeneous nuclear) biosynthesis/accumulation 4812.

liver, early mRNA, oestradiol, effects on 3048.

liver, RNA (heterogeneous nuclear)-depleted polyribosomes, isolation 6723.

liver nuclei, DNA biosynthesis, stimulation-temperature-sensitive mammalian cells extracts 446.

mitochondria DNA, RNA 4S genes, mapping, electron microscopy 401.

nuclei, embryos, RNA polymerase II stimulation-poly d(A-T) 7354.

nucleoli, rRNA gene content during oogenesis 6940.

17 β -oestradiol treated, long-term, mRNA, isolation/characterization 2440.

oocytes, Abelson leukaemia virus RNA translation 2003.

oocytes, biosynthesis/processing-immunoglobulins light chains, mRNA, plasmacytoma cells, mice 4857.

oocytes, cloning/expression-*Caenorhabditis elegans* tRNA genes 3218.

oocytes, factors, requirement-SV40 DNA supercoiling 1306.

oocytes, mitochondria, DNA biosynthesis 5536.

oocytes, mitochondria, DNA polymerase, characterization 6422.

oocytes, nucleosomes, rRNA gene structure 2263.

oocytes, precursors rRNA 40S, 5'-terminus mapping 6802.

oocytes, protein biosynthesis regulation factors, mRNA selectivity 5435.

oocytes, rRNA gene transcription 2489.

oocytes, mRNA translation, caps, analogues, effects on 2536.

oocytes, RNA 5S-proteins complex, isolation/characterization 3942.

oocytes, stability-human fibroblasts interferon mRNA, role-3'-terminus poly (A) 928.

oocytes, SV40 DNA transcription/translation-tumours antigens/capsid protein 3211.

oocytes, transcription-ovalbumin mRNA cloned complementary DNA 6370.

oocytes, transcription/processing-yeasts cloned tRNA Tyr genes 4831.

oocytes, translation-human placenta lactogen mRNA 5436.

oocytes nucleoli, rRNA gene localization 6939.

ovary, DNA polymerase β , purification/characterization 543.

poly (A)-containing RNA metabolism during oogenesis 6325.

repetitive DNA, isolation, use-high temperature reassociation 1555.

rRNA, methylated sequence, mapping 3556.

RNA biosynthesis/transport during embryos development 5416.

rRNA gene, spacer DNA, sequence organization 6232.

rRNA gene transcription unit ultrastructure, uridine (5-fluoro), effects on 4044.

RNA polymerase III, transcription-*Xenopus* rRNA 5S genes 3901.

spermatogenesis, poly (A)-containing RNA biosynthesis 6036.

vitellogenin genes, cloning/characterization 5113.

vitellogenin mRNA, complementary cloned DNA, characterization 4361.

vitellogenin mRNA, derived, DNA sequence-containing, bacteria clones, characterization 5485.

vitellogenin mRNA translation during primary/secondary induction 1533.

Xeroderma pigmentosum, cells, radiation (u.v.) + N-acetoxy-2-acetylaminofluorene treated, DNA repair 7167.

cells, radiation (u.v.), DNA biosynthesis recovery, role-DNA repair, excision 7154.

cells, radiation (u.v.)-induced post-replication DNA repair 7180.

fibroblasts, endonuclease activity, methyl methanesulphonate-treated phage PM2 DNA 5612.

human fibroblasts, chromatin, radiation (u.v.)-induced DNA repair 7170.

lymphoblastoid cell lines, N-methyl-N'-nitro-N-nitrosoguanidine induced guanine (O⁶-methyl), DNA, excision selectivity 5562.

radiation (u.v.)-induced DNA repair 5556.

role-DNA repair, review 2883.

Y base,

absence, tRNA Phe, *Tinca tinca* oocytes 5829.
 lacking, tRNA Phe, biosynthesis, Vero cells, methionine starvation 175.
 tRNA Phe, Vero cells, lysine incorporation 4679.
Saccharomyces cerevisiae tRNA Phe, synthesis 674.
Yeasts,
 N-acetylphenylalanyl-tRNA hydrolase, purification/characterization 5337.
 cells, chromatin, structure/transcription ability during growth 5207.
 cloned tRNA Tyr genes, transcription/processing, *Xenopus laevis* oocytes 4831.
 cytochrome c genes, identification/isolation 2082.
 cytochrome c genes, transcription regulation 6865.
 cytochrome c oxidase subunits genes, analysis 6222.
 deoxyribodipyrimidine photolyase, DNA repair 1096.
 diphtheria toxin-modified elongation factor 2, tryptic peptides, isolation/characterization 2968.
 mitochondria, DNA, review 5249.
 mitochondria, RNA, translation-*Escherichia coli* cell-free system, calcium, effects on 4855.
 mitochondria, rRNA biosynthesis regulation 6863, 6864.
 mitochondria DNA, chloramphenicol antibiotic resistance segments, electron microscopy 5516.
 mitochondria DNA/RNA, mapping, cytochrome c oxidase subunits defective mutant 4353.
 nucleohistone (deoxyribo)-isolation 1255.
 osmium-labelled tRNA Tyr, preparation, methodology 6659.
 protein biosynthesis, comparison-free/membrane-bound ribosomes 3468.
 protein biosynthesis, translocation, inhibition-hygromycin B, mechanisms 3501.
 tRNA (aminoacyl) isomers, binding-elongation factor Tu 6753.
 tRNA, conformation, melting curves 2380.
 RNA, effects on *Salmonella typhi* virulence/antigenicity 6897.
 tRNA, hydration 4078.
 RNA, interaction-gold, kinetics 2446.
 tRNA, isolation, chromatography 1802.
 tRNA (isoleucyl) synthetase/tRNA (phenylalanyl) synthetase, chromatography (salting out) 2391.
 tRNA (leucyl) synthetase, isolation 6690.
 tRNA, methylation-*Bacillus subtilis* tRNA (adenosine-1) methyltransferase 783.
 tRNA, methylation-dimethylsulphate, specificity 5824.
 tRNA, methylation-tRNA methyltransferases/dimethylsulphate 748.
 RNA, oligonucleotides binding-tobacco mosaic virus proteins 6541.
 tRNA (phenylalanyl) synthetase, histidine residues, properties 774.
 tRNA (phenylalanyl) synthetase, tRNA (phenylalanyl) formation, mechanisms 1413.
 tRNA (phenylalanyl) synthetase/tRNA (valyl) synthetase, tRNA recognition 776.
 RNA, uridine-5'-phosphoric acid, spectroscopy (Raman) 6594.
 tRNA (valyl) synthetase, interaction-tRNA 5855.
 tRNA (valyl) synthetase, interaction-tRNA Val, ultracentrifugation 4699.
 tRNA (valyl) synthetase, substrates binding/tRNA, effects on 6699.

tRNA Asp, in vitro methylation-tRNA (adenine-1-)-methyltransferase, brain, rats 3458.
 tRNA Asp, thermodynamics 2379.
 RNA biosynthesis/protein biosynthesis, heat, effects on 3619.
 tRNA conformations, sodium chloride, effects on 6669.
 tRNA fMet, bases sequence, oligonucleotides synthesis 6632.
 tRNA fMet, X-ray crystallography 4079.
 tRNA isolation, methodology 3442.
 tRNA Lys, codon recognition 1878.
 tRNA nucleotidyltransferase, inactivation-alkylated cytidine (2-thio)-containing tRNA Phe 6700.
 tRNA Phe, anticodons, binding-oligonucleotides 166.
 tRNA Phe, backbone structure, n.m.r. 6670.
 tRNA Phe, binding-ethidium bromide, characterization 167.
 tRNA Phe, hydrogen bonds 5827.
 tRNA Phe, interaction-1-fluoro-2,4-dinitrobenzene, adenosine specificity 1873.
 tRNA Phe, methylation-*Phaseolus vulgaris* enzymes 4081.
 tRNA Phe, n.m.r. 1877.
 tRNA Phe, nucleotides, conformation, cluster analysis 174.
 tRNA Phe, protons exchange, n.m.r. 6667.
 tRNA Phe, residues helix parameters evaluation 6668.
 tRNA Phe, structure, n.m.r., aminoacylation/Y base removal/codons-anticodons interaction, effects on 6666.
 tRNA Phe, structure, X-ray diffraction 756, 757, 758.
 tRNA Phe, tertiary structure, n.m.r. 6671.
 RNA polymerase assays, methodology 2194.
 RNA polymerase I, properties, role-subunits 7347.
 RNA polymerase I, transcription rate 3571.
 tRNA Trp, complex-cattle tRNA (tryptophanyl) synthetase, alkylation 2374.
 tRNA Trp isomers activation 6681.
 tRNA Tyr genes, cloning-phage λ 3877.
 rRNA 5-8S, hairpin helix, thermodynamics 877.
 temperature-sensitive mutant, poly(A)-containing RNA processing 1991.
 transformation-plasmids chimaeras 6350.
 tRNA (phenylalanyl) synthetase, substrate specificity 182.
 tRNA Phe, anticodon loop conformation, use-fluorescent probes 3450.
 tRNA Phe, structure 173.
 tRNA Tyr precursor, structure/processing 172, 1396.
 tRNA(valyl) synthetase/tRNA (phenylalanyl) synthetase/tRNA (tyrosyl) synthetase, substrate specificity 183.
 vectors, use-DNA fragments cloning, characterization 4465.
Yellow fever virus,
 vaccination, human, leucocytes (mononuclear) subpopulations, DNA biosynthesis 3183.
Yoshida sarcoma,
 cell culture, DNA interaction-dianhydrogalactitol 1577.
 nucleosomes, DNA biosynthesis, template activity, stimulating-cellular factors 2737.

Zajdela hepatoma,

cells, ribonucleoprotein post-transcription association-chromatin 1758.
 characterization-DNA-like RNA 2479.
 DNA, interaction-dexamethasone-receptors complex 5683.
 DNA, reassociation kinetics 4368.
 occurrence-low molecular weight RNA/DNA, comparison-serum, rats 3654.
Zea mays,
 x *Zea perennis*, progeny, DNA, maternal inheritance 7236.
 anthers, RNA/DNA content, ethrel-induced sterility, effects on 3844.

***Zea mays*, (continued)**

chloroplasts genome, location-ribulosebisphosphate carboxylase subunits genes 3140.
 coleoptiles, RNA biosynthesis/protein biosynthesis, manganese/auxins, effects on 2509.
 DNA transcription activity during differentiation, parenchyma cells 300.
 embryos, poly (A)-containing RNA caps isolation/identification 6813.
 endosperm, double-stranded DNA, integration-plasmid pBR322, zein clones isolation/characterization 6375.
 endosperm, occurrence-zein mRNA 4761.
 endosperm, mRNA, translation-cell-free system, products identification 6079.
 endosperm mRNA analysis, use-electrophoresis gels elution 6767.
 mutants, ribosomes/rRNA content 3492.
 nuclei, RNA biosynthesis characterization 3577.
 plastid, chloroplast DNA expression, during light-induced development 417.
 protein bodies, biosynthesis 3474.
 ribonuclease II isoenzymes 500.
 ribulosebisphosphate carboxylase mRNA, expression-mesophyll cells/bundle sheath cells 2012.
 rRNA biosynthesis 1975.
 rRNA gene, localization-nucleolus organizer region 5669.
 rRNA gene content, relationship-nucleoli formation rate 3042.
 RNA polymerase activity 7333.
 rRNA 16S 3'-terminus coding regions, nucleotide sequence homology-*Escherichia coli* 7105.
 roots, adenine nucleotides content, light, effects on 6625.
 roots, DNA polymerase/RNA polymerase, activity during growth/differentiation 5151.
 roots, ribosomes distribution, sodium chloride, effects on 5906.
 shoots, chromatin-bound RNA polymerase, gibberellic acid, effects on 7338.

***Zea perennis*,**

x *Zea mays*, progeny, DNA, maternal inheritance 7236.

Zeatin,

Raphanus sativus roots, isolation/identification 4610.

cis-Zeatin-D-Riboside,

Nicotiana tabacum, isolation/identification 695.

Zein,

clones, *Zea mays* endosperm double-stranded DNA integration-plasmid pBR322, isolation/characterization 6375.
 mRNA, occurrence-*Zea mays* endosperm 4761.

***Zephyranthes robusta*,**

extracts, effects on DNA biosynthesis, *Allium cepa* roots 7219.

Zinc,

binding-adenine/guanine/cytosine/uracil 5724.
 complex-guanine/cytosine, n.m.r./spectroscopy (i.r.) 2903.
 effects on DNA polymerase activity, avian myeloblastosis virus 3911.
 inhibition-early RNA biosynthesis, vaccinia virus 2513.
 inhibition-RNA polymerase I 6415.

Nucleic
Acids
Abstracts







3 8198 313 885 368

THE UNIVERSITY OF ILLINOIS AT CHICAGO

**THIS BOOK IS FOR USE
ONLY IN THE LIBRARY
IT DOES NOT CIRCULATE**



